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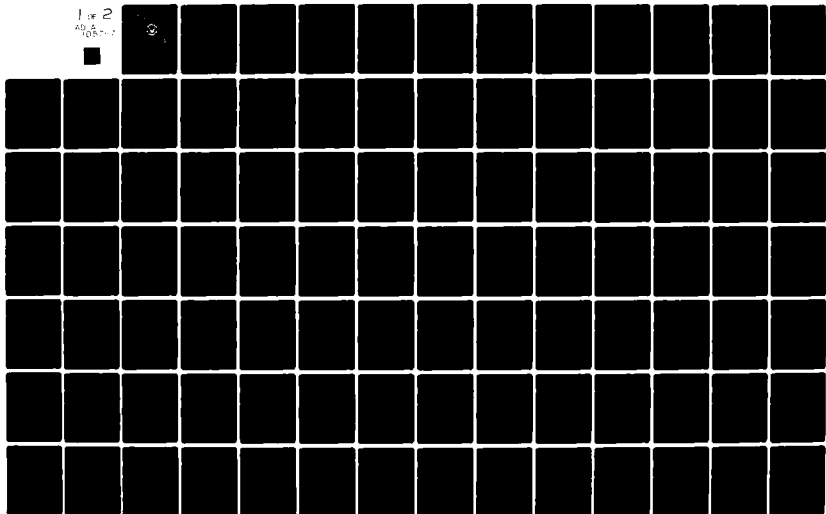
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NAVAL POSTGRADUATE SCHOOL
Monterey, California



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FOREIGN OBJECT DAMAGE IN NAVAL
AIRCRAFT ENGINES

by

Jack "B" Mills

June 1981

Thesis Advisor:

John W. Creighton

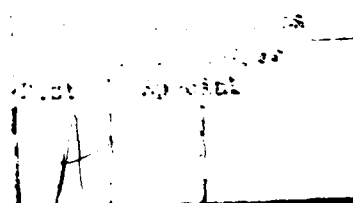
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20. (continued)

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Foreign Object Damage in Naval
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by

Jack "B" Mills
Lieutenant Commander, United States Navy
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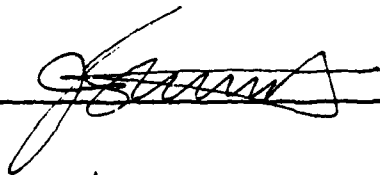
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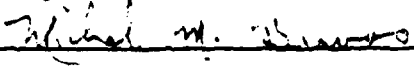
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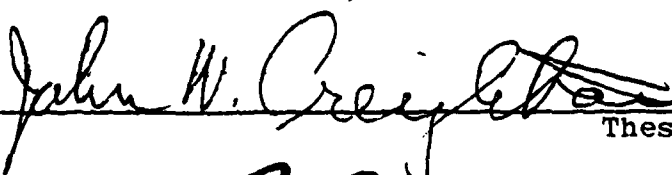
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ABSTRACT

An investigation of historical data was conducted in an attempt to assign a specific cause to each foreign object damage incident reported during an eighteen month period. Interviews were conducted with engineers and fleet maintenance personnel in support of the above research. The impact of current FOD reporting procedures, the foreign objects, the ingestion process and the operating environment are discussed. Conclusions and recommendations are included.

TABLE OF CONTENTS

I.	INTRODUCTION-----	7
	A. BACKGROUND-----	7
	B. THESIS OBJECTIVE-----	8
	C. METHODOLOGY-----	8
II.	FOD REPORTING-----	11
	A. 3-M REPORTS-----	11
	B. CNAL/CNAP FOD REPORTS-----	12
	C. NARF DATA-----	12
	D. PROBLEMS WITH FOD REPORTING-----	13
	1. Impact-----	13
	2. Assigning Cause-----	14
III.	CAUSES OF FOD-----	16
	A. OBJECTS-----	16
	B. THE INGESTION PROCESS-----	17
	1. <u>Dr. FOD and the Wayward Body</u> -----	18
	2. Design Factors-----	18
	C. OPERATING ENVIRONMENT-----	20
	1. Shore Stations-----	21
	2. Carriers-----	21
	D. WHERE FOD OCCURS-----	22
IV.	CONCLUSIONS-----	24
	APPENDIX I - SOURCE DATA COMPILATION-----	29
	BIBLIOGRAPHY-----	136
	INITIAL DISTRIBUTION LIST-----	137

LIST OF FIGURES

FIGURE 1.	TYPE FOD BY CATEGORY-----	27
FIGURE 2.	SUMMARY OF FOD BY LOCATION-----	28

I. INTRODUCTION

A. BACKGROUND

Foreign object damage (FOD) is the damage caused when debris is ingested by, or lodged in a system/mechanism, or that causes a material failure that renders the equipment unstable or unsafe for operation. While FOD can affect any aircraft system, this thesis is restricted to the investigation of FOD in naval aircraft engines, and any reference to FOD, hereafter, will be so restricted.

The effects of FOD impact adversely on naval aviation. It accounts for the largest percentage of premature removals of gas turbine engines from naval aircraft. The resulting repair effort consumes excessive maintenance man-hours, imposes severe unscheduled work loads on supporting activities, creates a shortage of ready for issue (RFI) engines, and depletes spare parts in the inventory, thereby creating an unacceptable impact on the fleet logistics support structure. These effects combine to reduce operational readiness and training capability.

The author could find no authoritative statement as to the annual cost incurred by the Navy for FOD. Commander Task Force Seven Seven estimated that the depot level repair costs, for calendar year 1980, for the TF-30 engines under his cognizance alone, would be \$5.73 million. That does not include the costs expended for intermediate level repair. A 1979

Naval Audit Service, Western Region, Report estimated the depot level repair costs for 1978 to be more than \$49 million. These are only estimates. Their message, however, is clear; FOD is costly. That cost can only increase as engines become more sophisticated, their repair costs increase, and inflation takes its toll. If the Navy is to realize a reduction in the cost of FOD, the factors affecting FOD must be clearly understood and management attention focused on them. These factors include the foreign objects, the ingestion process, and the operating environment.

B. THESIS OBJECTIVE

The purpose of this investigation was to positively identify the causes of FOD in naval aircraft engines.

C. METHODOLOGY

The overall approach was to examine the historical data currently available, and to reduce it to a usable form. Additionally, interviews were conducted, both by telephone and in person, with fleet organizational and intermediate level maintenance personnel, various Naval Air Rework Facility (NARF) personnel, and aircraft contractor personnel.

The primary sources of historical data were various 3-M reports, Naval Aviation Safety Office Unsatisfactory Report Files, and Commander, Naval Air Forces, Pacific (CNAP) and Atlantic (CNAL) FOD message reports. Considerable effort

was expended to ensure that no one FOD incident was counted more than once. This data is presented in Appendix I.

The Fleet Commander's FOD reports were considered the primary data source because of the narrative cause section. 3-M data was used primarily to cross check for double counting and to try to reduce the significant number of unknowns listed in the other reports. Reduction of the unknown category proved to be impossible.

Data for the period from 1 June 1979 to 31 December 1980 was utilized because it was considered to be the most complete and was easily attainable. Very early in the effort it became apparent that it would be futile to try to accurately account for all FOD incidents occurring in the data period as no single source of data existed. Nor would it be possible to account for the large variations in the number of incidents listed in each of the various reports. Furthermore, no reporting system is in use by NARFS, so data on engines repaired by them is non existent. The source material reduced yielded 1143 FOD incidents, 636 of those had attributal cause.

The interviews were considered necessary to gain an intuitive feel for the accuracy of the causes listed on the various FOD reports. They also provided an insight as to the difficulty of determining the actual cause of the FOD.

Research was restricted to tactical aircraft which operate both ashore and afloat. Exceptions to this were the CH-53 helicopter, and the A-4, which, with the exception of the

training command operates primarily ashore. The F-4 data included Marine Squadrons that also operate primarily ashore.

II. FOD REPORTING

FOD reporting procedures are not, in themselves, an objective of this thesis. A discussion of them is required here only because they provided the basis for the data compiled. No single source of data exists for FOD, though the 3-M aviation engine removal/FOD report is probably the most accurate source for total numbers of FOD. For this reason various reports were used for this research.

A. 3-M REPORTS

3-M reports are computer generated summations from data stored in the 3-M maintenance data collection subsystem. The source document for this report is the OPNAV Form 4790/60 VIDS/MAF. The aviation engine removal/FOD report uses only four malfunction codes in the cause for removal section; they are:

- FOD 301 : FOD-cause, External to Aircraft or Unknown
- FOD 302 : FOD-cause, self-induced by engine material failure
(not a valid malfunction code)
- FOD 303 : FOD-cause, bird strike
- FOD 304 : FOD-cause, self induced by ingestion of aircraft
parts such as dzus button, rivet, fastener, fairing
piece, etc.

Under these categories the data would have reduced to:

FOD 301 : 844

FOD 302 : 69

FOD 303 : 24

FOD 304 : 206

For management purposes then this would mean that FOD 301 would represent 74% of all FODS with no breakout of the unknowns.

B. CNAL/CNAP FOD REPORTS

Both Naval Air Force Commanders, Atlantic and Pacific, require FOD reports for each organizational and intermediate (IMA) activity. They differ slightly in report requirements, but they both require a narrative description of the cause of the FOD incident. The IMA report requires a cross reference to the date-time-group of the operating activity's FOD message report. This cross-reference requirement helped to prevent double counting during research. Additionally, it uncovered engines that had FOD damage that was undetectable at the squadron level. Though these reports are not computerized, the narrative section proved invaluable, and for this reason they were chosen as the primary vehicle for this research.

C. NARF DATA

Currently NARF's are not under any reporting system except for engineering investigations (EI) reporting. Therefore most data for engines sent to a NARF for depot level repair is lost. Responses to Commander, Naval Aviation Logistics Center

questionnaire Serial 222/13700/1636 of 26 November 1980, indicate that a significant number of engines reach the NARF's for standard level depot maintenance (SDLM) with FODed engines. This is not surprising in light of the number of FODed engines that exhibit no degradation in operating characteristics whatsoever. With no reason to suspect FOD the operating activity cannot be expected to inspect for FOD damage, nevertheless data is lost for collection purposes.

An engine can be sent to a NARF that is a designated cognizant field activity (CFA) for an engineering investigation. EI's are then conducted to determine the cause of the malfunction, in this case the cause of the FOD. Engineers from two CFA's were interviewed to determine the value of these EI's. Their response was that about 90% of the time no accurate cause could be determined and that the best they could do was an educated guess based on damage characteristics. As with other NARF data, EI results are not easily obtainable, and because so few are requested they were not considered for inclusion in the source data.

D. PROBLEMS WITH FOD REPORTING

1. Impact

FOD reporting has increased in significance in the Navy recently. Most of this new emphasis has been placed on reducing the number of reports that list unknown as a cause. Interviews with fleet personnel, both the workers and middle

management revealed a feeling of frustration over this emphasis. No one denies the value of pursuing an aggressive FOD reporting program and most indicated strong support for it. The frustration they feel stems from the pressure that is brought to bear to assign a cause even when they have done their best but cannot evaluate the cause. This situation can quickly lead to "pencil-pushing" and can result in an overall degradation of the program.

2. Assigning Cause

The only way to determine the cause of FOD with certainty is to see foreign material ingested in an engine and then to match the damage characteristics to that object, or to find pieces of the object in the engine. Bits of gravel, concrete, and non-skid will sometimes adhere to the rotor blades or stator vanes, but an engine, due to the high velocity of airstream, will rarely retain the material that caused the damage. This usually means that FOD cause is guessed at by damage characteristics.

Damage characteristics can go a long way in providing a good educated guess as to the category of the material causing the FOD. Nicks with a thread pattern or indicating a special type fastener, or dents attributable to micro-FOD offer strong evidence of the type of material that was ingested but not where it came from or when the FOD occurred. Damage characteristics do not offer conclusive proof.

An engine can be FODed and show no degradation in operating characteristics. This fact was verified by the message

reports reviewed and in interviews with IMA repair personnel, NARF engineers and engine contractor personnel. In one instance a squadron turned in an engine for a routine inspection and requested a quick-turn-around because the engine was operating well. The subsequent inspection revealed that a 12th stage compressor blade was missing. Research also proved that material that usually causes FOD can be ingested with no damage incurred.

FOD is normally investigated when an engine exhibits operating characteristics consistent with FOD, i.e., compressor stalls, inability to produce full power, or flames exiting the tailpipe. In this case there is no way of telling how long the engine was FODed prior to the problem surfacing. It could have FODed on the previous flight or it could have happened many hours ago. The problem here is the tendency of maintenance personnel to assign the FOD to the last flight. If a fastener or some miscellaneous hardware is then found missing it tends to become the cause, and the location is assigned to the carrier/base where the FOD was discovered. Preflight and turn-around inspections often uncover FOD in the first few compressor stages which also leads to a FOD investigation. In this instance there is a high probability that it happened on the previous flight.

III. CAUSES OF FOD

Modern jet aircraft engines are axial flow gas turbines that operate at high RPM. They produce thrust by expelling air at high velocity and high temperature. Close tolerances and exotic metals are required to compress the air and to heat it sufficiently to produce the necessary thrust. Because of these tolerances and metals they are particularly susceptible to damage from objects that are swept down the intake along with the air. Any object that can physically fit down the intake has the potential to cause FOD. To adequately assign cause to FOD requires that both the actual objects themselves, and the ingestion process be investigated.

A. OBJECTS

The range of objects documented as causing FOD is astounding and includes such items as tools, rags, aircrew equipment, birds, ice, rocks, non-skid, and people. In one FOD report reviewed paint overspray on the first few compressor stages caused FOD. Though no structural damage occurred it required an engine removal to remove the paint.

Figures (1) and (2) summarize the data compiled in Appendix I. The categories in Figure (1) are arbitrary and were chosen because of the frequency of occurrence and for ease of compilation. The rationale for assigning each incident to a category is the author's and therefore the numbers

could vary if different criteria were used. The narrative of each report also influenced which objects were placed in which category.

The tools category included masking tape, paper, aural protectors, flashlights and lenses, cranial helmets and intake screen parts, as well as ordinary hand tools. Landing gear and ordnance and canopy safety pins could have been included in aircraft and miscellaneous hardware as could have Calfax fasteners.

Calfax fasteners were categorized separately because informal liaison with the F-14 community indicated they were a troublesome FOD hazard. The low number found (18) could indicate that the original problem has been fixed. It could also point out a non homogeneity in the use of the FOD report narrative section. If the words fastener vice Calfax fastener were used in a report then that incident was placed in the aircraft/miscellaneous category.

B. THE INGESTION PROCESS

Debris, no matter where it is, will not cause FOD unless it is ingested by an engine. For an object to be ingested it must be near and in front of the engine intake. It can be lying there at rest or it can be propelled there by the wind or another aircraft exhaust. How close it must be depends on the size and shape of the object, the mass flow rate of the engine, whether it is at rest or in motion, and engine intake location, primarily its height above ground.

1. Dr. FOD and the Wayward Body

Dr. FOD and the Wayward Body is a U.S. Navy training film currently in use for FOD training and awareness. The film is good and it does a thorough job of discussing the FOD problem ashore. However, Dr. FOD suggests that for an object to be ingested it must be within 18 inches of the intake or be in motion. He uses a smoke generator and a stationary aircraft at high power to prove his point. The smoke generator is placed to the side of the aircraft and a light crosswind drifts the smoke in front of the aircraft. Only a small amount of smoke is ingested by the engine while most of it swirls near the ground in the engine generated vortex. The film completely discounts differing mass flow rates for different engines and different intake heights above the ground. As the mass flow rate of an engine increases so does the zone about the intake where an object will be subject to ingestion. An object in motion will be ingested more readily than a stationary one. However, an object lying in a depression, in the ground or on the flight deck can approximate an airfoil shape, and be subjected to an airfoil like pressure differential. This pressure difference creates lift similar to an aircraft wing making the object easier to pick up, and increasing the probability of ingestion.

2. Design Factors

Engine intake location is a contributing factor to FOD. It has little affect on objects blown in the proximity

of the intake by other aircraft or the wind, but intakes that are low to the ground such as the A-7, have a greater probability of FOD than ones with greater ground clearance. 52% of all A-7 FOD incidents with a cause assigned were from either non-skid, gravel/rocks or the steel shot used for surface preparation of flight deck non-skid. One carrier attributed 14 engine FODs to steel shot after a flight deck resurfacing - 13 of which were A-7's. The Air Wing embarked operated the standard mix of aircraft yet the FODs were nearly all to A-7's. Though this does not prove the relationship of intake height to FOD, it strongly suggests a correlation.

Hardware and fasteners located forward of the intake have a higher probability of producing FOD than those located aft of the intake. Removeable access panels are required for maintenance therefore removable fasteners are necessary. 206 FOD incidents were caused by miscellaneous hardware and fasteners. Only 3 such incidents occurred in the A-7 aircraft which is very clean forward of the intake. This low incidence in A-7's suggests that the fewer of these items forward of the intake the less of a factor they are in FOD. NAVAIR personnel indicated the F-14 aircraft FOD rate due to fasteners decreased when the Calfax fastener problem was improved. It is not possible to eliminate removable fasteners forward of the intake but proper tightening, sealing techniques, or design could significantly reduce this problem.

C. OPERATING ENVIRONMENT

Many fleet aviation personnel firmly believe that, despite design factors, FOD is caused by poor maintenance practices, poor housekeeping, and carelessness. They present a strong argument that if the operating environment were free of debris, and proper maintenance practices were followed, the incidence of FOD would be negligible. They are right. If it is not there it cannot cause FOD. There is ample evidence in the FOD reports reviewed that an operating base/ carrier can go from the highest incidence of FOD per quarter to the lowest. No aircraft design changes occur during this period but major emphasis is put on cleaning up the operating environment.

Poor maintenance practices can create FOD. An ongoing effort must be made to reduce this problem but it involves more than just making maintenance personnel aware of the problem. It is easy to blame the mechanic who drops a scrap of safety wire on the flight deck of poor maintenance practices. That same mechanic, working on the flight deck of a carrier, at night, while wearing goggles, gloves, safety vest and cranial helmet is trying to finish a maintenance action so the aircraft can make the launch. There is 30 knots of wind across the deck, he is using only a red lensed flashlight for illumination, a launch cycle is in progress, and the safety wire scrap slips from his grasp while he is trying to put it into his FOD bag. Is that poor maintenance practice or the operating environment?

Naval aircraft operate both ashore and from carriers. Each environment has special FOD hazards associated with it which must be fully understood by both fleet maintenance managers and other fleet aviation personnel.

1. Shore Stations

By virtue of their size alone shore stations create a laborious clean up problem. They exist in an environment that has an endless supply of debris. The wind can blow this debris back and forth across the airfield many times a day. A wind shift after a FOD walkdown can render that effort virtually useless. Shore stations employ vast numbers of personnel who are not a part of aviation and have no idea what FOD is or the safety hazard debris dropped carelessly on the ground can create. As an airfield ages it takes more money to keep the runways, taxiways, and ramps in sound repair. Less expensive repairs to the airfield are often substituted when wholesale resurfacing of all areas is required.

2. Carriers

Carriers also suffer from a size problem but the opposite one of shore stations. Many aircraft are jammed into very tight quarters, often so close that FOD walkdowns are inhibited. Padeyes become especially good hiding places for debris. The flight deck, especially during flight operations is subject to high relative winds necessary for the launch and recovery of aircraft. Underway replenishment operations create a vast amount of debris that must be cleaned up. Long

taxi intervals are impossible, aircraft must be started and turned up in congested traffic conditions and maintenance must be accomplished on the flight deck under adverse conditions. The launch and recovery cycles are fast paced events and in themselves can create a FOD problem.

Carrier landing operations create a special FOD hazard. A naval aircraft lands with a high rate of descent and its forward motion is abruptly terminated by an arresting wire. The forces imposed on the aircraft during this landing operation can loosen, or break loose hardware which is then thrown forward by momentum. As the aircraft touches down the pilot advances the throttles to military power to promote safety in the event of a bolter. Aircraft are normally landed at 45 to 60 second intervals. An aircraft can ingest its own lost hardware or that of a previously landed aircraft.

D. WHERE FOD OCCURS

Although FOD can and does occur in flight there is a general consensus among aviation personnel that FOD is most prevalent during taxi, takeoff and landing. This argument is hard to refuse and is taken to be fact. A 1977 FOD study supplied by the Naval Air Systems Command found no significant differences in the incidence of FOD among the various land bases.

This thesis was designed to be non-threatening, and therefore, no attempt to identify FOD incidence with a particular

operating unit, carrier, or shore station was attempted. At the outset of this research it was believed that the at sea FOD incidence would be higher than the land based incidence. Figure 2 shows that the incidence ashore (639) was higher than the at sea incidence (445). However, if the FOD incidence for those commands operating primarily ashore are removed the ashore/sea ratio becomes 449 to 445 respectively. A breakdown of the ashore/at sea flight hours was unavailable for this study so the FOD rates/1000 flight hours could not be determined. A correlation study of engine hours versus FOD incidence by major command revealed that a strong positive relationship (correlation coefficient = .95) between these two variables.

IV. CONCLUSIONS

A single data source for FOD statistics data must be developed. This would eliminate the large variance found in the number of reported FODs. The 3-M maintenance data collection subsystem (MDCS) is recommended for use as it is already in existence. The malfunction codes should be expanded to:

UNKNOWN

METALLIC OBJECT

NON-SKID

GRAVEL/ROCKS/CONCRETE

AIRCRAFT/MISCELLANEOUS HARDWARE

OTHER

Internal material failure, bird strikes and ice, as categories should be deleted.

The CNAP/CNAL FOD reports offer valuable insight to the FOD problem and they should be retained. They reflect, on a real time basis, trends in FOD incidence and therefore they can aid management in detecting trends early. They should not be considered authoritative as to the location or cause of the FOD occurrence. Care must be taken not to force fleet maintenance personnel into a defensive mode that could lead to pencil pushing.

Since a majority of FOD occurs during taxi, take off and landing the debris collected during FOD walkdowns can be considered a prime causal factor. If these items were analyzed

the percentages of each would roughly approximate its affect on the total number of incidents. It is recognized that this would not help assign specific cause to each incident, but local commands might find it valuable in spotting trends.

NARFs must be required to report FOD statistics, if not via the 3-M MDCS then by a computer system compatible with it.

The high percentage of unknown causes reported and the stated lack of ability of even highly qualified engineers to determine FOD causes with certainty casts doubt on the validity of the data collected for this study. It is believed, however, that the Navy has a good intuitive feel for the cause of FOD and is moving positively toward the reduction of FOD incidence. Further, it is believed that uncovering the cause of each FOD incidence with certainty would not be cost effective, and that it would require a valuable engine asset to be out of service for an unreasonable length of time.

Design of intakes with respect to height above ground and a minimal number of fasteners forward of the intakes would reduce the FOD incidence in future generations of aircraft.

Poor maintenance practices and housekeeping techniques are a factor in FOD but it is far too easy to blame them without looking deeper into the root problem. Management must not erroneously blame these factors if the root cause is the operating environment.

FOD incidence is about the same ashore and at sea. While local short term variance in FOD can be found at different

operating locations there is a strong positive relationship between locations, engine hours and FOD. The FODs will occur where the engine hours are generated.

FIGURE 1

TYPE FOD BY CATEGORY

<u>TYPE FOD</u>	<u>NUMBER</u> ¹	<u>PERCENT TOTAL</u>
Unknown	507	44%
Aircraft/Miscellaneous Hardware	188	16%
Metallic Object	81	7%
Non Skid	74	6%
Internal Material Failure ²	69	6%
Gravel/Rocks/Concrete	61	5%
Tools	30	3%
Bird Strike ²	24	2%
Safety Pins	18	2%
Calfax Fasteners	18	2%
Ice ²	10	1%
Other	63	6%

¹No NARF Data Available

²No longer counted as FOD

FIGURE 2
SUMMARY OF FOD BY LOCATION⁴

<u>ENGINE (AIRCRAFT)</u>	<u>ASHORE</u>	<u>SHIP</u>	<u>UNKNOWN</u>	<u>TEST CELL</u> ⁵	<u>TOTAL</u>
TF41A-2A/B (A-7)	72	99 ¹	20	2	193
J52-P8B (A-6)	92	83	4	1	180
J52-P408 (EA-6B)	30	26	1	0	57
T64GE-6B/413 (CH-53)	26	0	0	1	27
J79GE-8C/D (RF-4B)	58 ²	17	7	1	83
J79GE-10A/B (F-4)	129 ²	46	15	0	190
TF30-P-414 (F-14)	121	151	5	1	278
TF30-P-408 (F-14)	16	0	0	0	16
TF34GE-400 (S-3)	26	23	0	0	49
J52-P6B (A-4)	26 ³	0	0	1	27
J52-P-408 (A-4)	25 ³	0	0	0	25
J52-P8A/B (A-4)	18 ³	0	0	0	18
TOTAL	639	445	52	7 ⁵	1143

¹28 incidents in June/July/August 1980 from non skid/steel shot

²42 and 79 respectively from U.S. Marine units operated primarily ashore

³Operated primarily ashore except for carrier qualifications in the training command

⁴No NARF incidents included in the data due to lack of reporting. The unknown category is included because the nature of the report made a determination of location impossible. This was most prevalent in AIMD reports for which no squadron report was available.

⁵All NARFs run engines on test cells. This number would have been higher if NARF reporting were required.

APPENDIX I

SOURCE DATA COMPILATION

TF41A-2A/B
JUL 1979

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
142568	MAJ	SMALL ROCKS		X		RANGER 171351Z JUL 79	PA5-916314
141937	MAJ	UNK			X	ATKRON 192 12310Z JUL 79	
141328	MIN	WING TIP PLASTIC LENS			X	CORAL SEA 011710Z AUG 79	
141985	MAJ	INT MAT FAIL		X		ATKRON 27 261800Z JUL 79	PD4-9196270
141519	MIN	FIBER GLASS FRAGMENTS			X	CORAL SEA 250022Z JUL 79	
141925	MAJ	SELF-INDUCED			X	RANGER 171355Z JUL 79	
141962	MAJ	INT MAT FAIL		X		LEMOORE 131600Z JUL 79	
141354	MAJ	GRAVEL/CONCRETE	REP	X		LEMOORE 072121Z AUG 79	
141454	MAJ	"	"	X		" " "	
141495	MAJ	"	"	X		" " "	
142526	MAJ	"	"	X		" " "	
141937		UNK			X	ATKRON 192 030247Z JUL 79	
141360	MAJ	UNK	RFI	X		CUBI PT 082307Z AUG 79	

TF41A-2A/B
AUG 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHORE	SHIP	REF	JCN
141532	MAJ	SUSP NON-SKID			X	ATKRON 94 310815Z AUG 79	
141594	MAJ	SUSP MTL OBJ	BCM		X	KITTY HAWK 250415Z AUG 79	PA3-923266
141970	MAJ	GRAVEL/CONCRETE		X		LEMOORE 102221Z SEP 79	
142507	MAJ	SML MTL OBJ		X		" "	
141601		UNK	BCM		X	AMERICA 131245Z AUG 79	
141300		UNK				* 790814 5 09230	PC4-9220400
141925	MAJ	ROCK	BCU		X	RANGER 031013Z AUG 79	
141355	MAJ	DECK PAINT			X	CUBI PT 082307Z AUG 79	
141881	MAJ	UNK	BCM		X	KITTY HAWK 071225Z AUG 79	
141531	MAJ	NON-SKID	BCM		X	CUBI PT 110147Z SEP 79	
141504	MAJ	NON-SKID	AWP			" "	
141928	MAJ	UNK	AWP			" "	
141494	MAJ	SYNTHETIC MAT	AWP			" "	
141589	MAJ	METAL OBJ	AWP			" "	
141256	MAJ	UNK	BLM		X	KITTY HAWK 110234Z SEP 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

TF41A-2A/B
SEP 1979

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
142600	MAJ	SUSP RAMP DEBRIS		X			ATKRON 146 260505Z SEP 79	
141484	MAJ	UNK		X			KITTYHAWK 061310Z OCT 79	
142575	MAJ	SUSP 7/16" SOCKET		X			CHINA LAKE 122329Z SEP 79	
141281	MAJ	SMALL HRD OBJ'S			X		KITTYHAWK 250477Z SEP 79	
142525	MAJ	SML MTL OBJ	BCM	X			LEMOORE 101821Z OCT 79	
141415	MAJ	LRG MTL OBJ	X	X			" " "	
141532		SUSP NON-SKID		X			SAN DIEGO 061522Z SEP 79	
141929		UNK			X		ATKRON 87 101258Z SEP 79	
141596	MAJ	UNK			X		* 790924 3 1401	

* MISHAP REPORT FILE 1 RECORD IDENT

TF41A-2A/B
OCT 1979

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
141608	MAJ	10/32" SCREW		X			ATKRON 146 182106Z OCT 79	
141477	MAJ	SUSP ROCK/CONCRETE		X			ATKRON 27 232330Z OCT 79	
141885	MAJ	UNK	BCM		X		KITTYHAWK 141336Z NOV 79	
141491	MAJ	UNK	BCM		X		" " "	
141228	MAJ	METAL OBJ	BCM4	X			LEMOORE 071821Z NOV 79	
141343	MAJ	METAL OBJ	BCM4	X			" " "	
141530	MAJ	METAL OBJ	BCM4	X			" " "	
141223		PORTION OF LP DUCT			X		NIMITZ 041059Z OCT 79	
141272		UNK			X		ATKRON 87 051349Z OCT 79	
142611		BIRD STRIKE		X			ATKRON 174 291720Z OCT 79	AC2-930226
141605	INT	MAT FAIL		X			ATKRON 83 251942Z OCT 79	
141248		UNK		X			ATKRON 83 311530Z OCT 79	
141445		INT MAT FAIL			X		* 791013 5 09215	AD7-9282301
141355	MIN	SUSP DECK PAINT AND GRIT		X			* 791103 5 01505	PC4-9295746
141567		UNK			X		** 791028 3 0501	PC4-929804
141466	MAJ	UNK	BCM		X		KITTYHAWK 070001Z OCT 79	
141369	MAJ	SAFETY WIRE	REP				CUBI PT 082317Z NOV 79	
142368	MAJ	NON-METALLIC MAT	REP				" " "	
141550	MAJ	UNK	BCM				" " "	
141948	MAJ	METALLIC MAT	REP				" " "	

*UNSATISFACTORY REPORT FILE, RECORD IDENT
**WISHAP REPORT FILE, RECORD IDENT

SHORE
SHIP
TEST CELL

* UNSATISFACTORY REPORT FILE, RECORD IDENT

TF41A-2A/B
DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	CELL		
141519	MAJ	UNK		X			ATKRON 192 050302Z DEC 79	PJ3-9337314
41227	MAJ	INT MAT FAIL		X			" 113 032034Z JAN 80	
141373	MAJ	BIRD STRIKE		X			" " 211600Z DEC 79	
141610	MAJ	UNK		X			" " 040038Z DEC 79	
141509	MAJ	SUSP NON-SKID	BCM		X		KITTY HAWK 290642Z DEC 79	
141923	MAJ	BIRD STRIKE	BCM	X			ATKRON 122 271014Z DEC 79	
141358	MAJ	INT MAT FAIL		X			" 113 172230Z DEC 79	
141332		SUSP RIVET OR SCREW			X		" 81 020419Z DEC 79	
141441	MAJ	SMALL METAL OBJ					LEMOORE 111822Z JAN 80	
141394	MAJ	" " "					" " "	
141590	MAJ	NON-SKID			X		" " "	
141535	MAJ	SMALL METAL OBJ		X			" " "	
141933	MAJ	NON-SKID			X		" " "	
141904	MAJ	NON-SKID			X		" " "	
141542	MAJ	POP RIVETS	BCM		X		CONSTELLATION 271740Z DEC 79	

TF41A-2A/B
JAN 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
141881	MAJ	SUSP METAL OBJ	BCM		X		ATKRON 146 070215Z FEB 80	AC2-002540
141382		UNK		X			* 800125 3 0701	
141370	MAJ	UNK	BCM		X		KITTY HAWK 121150Z FEB 80	
142593	MAJ	UNK	BCM				LEMOORE 072121Z FEB 80	
141978	MAJ	UNK	BCM		X		CONSTELLATION 042132Z FEB 80	

* MISHAP REPORT FILE, RECORD IDENT

TF41A-2A/B
FEB 1980

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
141331	MAJ	TOOL POUCH & TOOLS			X	CORAL SEA 251442Z FEB 80	PF7-004803
142526	MAJ	METAL OBJECT		X		ATKRON 195 051833Z FEB 80	
141578	MAJ	UNK			X	CORAL SEA 071214Z MAR 80	PF7-006464
141593	MAJ	UNK			X	ATKRON 146 061906Z MAR 80	
141916	MAJ	6" CRESCENT WRENCH	BCM		X	NIMITZ 151751Z FEB 80	AE5-004418
141505	MAJ	CONCRETE/GRAVEL		X		LEMOORE 141350Z MAR 80	
141508	MAJ	NON-SKID			X	" " "	
142513	MAJ	NON-SKID			X	" " "	

TF41A-2A/B
MAR 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
141619	MAJ	UNK			X		NIMITZ 251753Z MAR 80	
141579	MAJ	SUSP MTL OBJ			X		NIMITZ 301733Z MAR 80	
141902	MIN	PAPER & MASKING TAPE			X		NIMITZ 260925Z MAR 80	
141587	MIN	BIRD STRIKE					ATKRON 192 251845Z MAR 80	
142622	MAJ	TURN-UP SCREEN EYE BOLT ASSY			X		CORAL SEA 050554Z MAR 80	PF7-006262
141372		UNK	BCM		X		SARATOGA 281904Z MAR 80	
141504		UNK		X			* 800421 5 20400	N65-0°86037
141957		FLASHLIGHT		X			** 800306 3 0401	
141327		UNK			X		** 800320 4 0401	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

** MISHAP REPORT FILE, RECORD IDENT

TF41A-2A/B
APR 1980

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
142589	MAJ	SMALL NUT OR BOLT			X	ATKRON 146 211757Z APR 80	
142552		UNK		X		ATKRON 15 022131Z APR 80	
141317		UNK	REP	X		JACKSONVILLE 151650Z APR 80	N65-0886031
141279		UNK			X	SARATOGA 291418Z APR 80	AB6-0107085
141333		INT MAT FAIL		X		* 800417 5 21120	AE3-0099006

*UNSATISFACTORY REPORT FILE, RECORD IDENT

TF41A-2A/B
MAY 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
141901	MAJ	GRAVEL	BCM 4	X			ATKRON 22 012118Z MAY 80	
141256	MAJ	UNK		X			ATKRON 146 031509Z MAY 80	
141895	MAJ	NON-SKID	REP	X			LEMOORE 150951Z MAY 80	
141352	MAJ	SUSP CONCRETE	REP			X	LEMOORE 092322Z MAY 80	
142541	MAJ	GRAVEL	REP	X			AIRTEVRON 5 080033Z MAY 80	
141990	MAJ	INT MAT FAIL	EIR		X		ATKRON 66 131720Z MAY 80	AD5-0125381
141275		UNK			X		SARATOGA 230732Z MAY 80	
141569		UNK		X			* 800519 5 19400	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

TF41A-2A/B
JUN 1980

S/N	CAT	CAUSE	TEST CELL			DISP	REF	JCN
			SHORE	SHIP				
141439	MAJ	NON-SKID		X			RANGER 030737Z JUN 80	AD5-012538
141536	MAJ	SUSP INT MAT FAIL		X	EIR		ATKRON 12 220520Z JUN 80	
141879	MAJ	NON-SKID		X	BCM		RANGER 070747Z JUN 80	
142511	MAJ	TIRE TREAD			BCM	X	ATKRON 146 262115Z JUN 80	
141990	MAJ	INT MAT FAIL			EIR		EISENHOWER 060502Z JUN 80	
141947	MAJ	STEEL SHOT		X	AWM		ATKRON 174 231633Z JUN 80	
141920		"		X	AWM		" " "	
142619		"		X			" " "	
141262		"		X	AWM		" " "	
141999		"		X	AWM		" " "	
142550		"		X	AWM		" " "	
141875		UNK		X			ATKRON 15 241700Z JUN 80	
141326		STEEL SHOT		X	ANM		ATKRON 174 251645Z JUN 80	
141573		"		X	AWM		" " "	
141597		"		X	AWM		" " "	
141407		"		X	AWM		" " "	
141412		"		X	AWM		" " "	
141543		SUSP CONCRETE			AWM	X	ATKRON 87 262000Z JUN 80	
141271		INT MAT FAIL		X			SARATOGA 301609Z JUN 80	
141944		INT MAT FAIL		X	BCM		EISENHOWER 031818Z APR 80	

TF41A-2A/B
JUL 1980

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
141341	MAJ	NON-SKID	BCM4		X	LEMOORE 180849Z JUL 80	
141278	MAJ	NON-SKID	BCM		X	" "	
141949	MAJ	NON-SKID	BCM		X	" "	
141508	MAJ	SUSP NON-SKID	BCM4		X	ATKRON 25 022040Z JUL 80	
141610	MAJ	NON-SKID	BCM3		X	" 113 231630Z JUL 80	
141606	MAJ	NON-SKID	BCM3		X	LEMOORE 221349Z AUG 80	
141974	MAJ	NON-SKID	BCM		X	CUBI PT 060007Z AUG 80	
141958	MAJ	UNK	I/W			ATKRON 87 011820Z JUL 80	
141402		STEEL SHOT	AWM		X	" 86 031700Z JUL 80	
142530		SCREW SHANK	BCM		X	KENNEDY 071819Z JUL 80	

TF41A-2A/B
AUG 1980

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
141899	MAJ	NON-SKID	BCM4	X		LEMOORE 181249Z SEP 80	
142590	MAJ	NON-SKID	I/W	X		" " "	
142614	MAJ	NON-SKID	I/W	X		" " "	
141482	MAJ	NON-SKID	I/W	X		" " "	
141360	MAJ	NON-SKID	I/W	X		" " "	
141377	MAJ	NON-SKID	BCM	X		" " "	
141346	MAJ	NON-SKID	I/W	X		" " "	
141287		BUMPER PAD MATERIAL		X		SARATOGA 021802Z AUG 80	
141510		INTAKE SCREEN STRAP		X		ATKRON 82 081130Z AUG 80	
141397		UNK		X		ATKRON 87 181620Z AUG 80	
141457		SUSP MTL OBJ		X		NIMITZ 222143Z AUG 80	
141373		RIVETS		X		NIMITZ 261223Z AUG 80	
141511		UNK				* 800916 5 21580	WA5-0241030

*UNSATISFACTORY REPORT FILE, RECORD IDENT

TF41A-2A/B
SEP 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
141235	MIN	SHRADER VALVE CAP			X		RANGER 090559Z OCT 80	
141556	MIN	UNK	BCM		X		RANGER 282323Z SEP 80	
142505		UNK		X			ATKRON 87 101805Z SEP 80	
141540		UNK		X			* 810106 0 0101	

* FLIGHT MISHAP REPORT, RECORD IDENT

TF41A-2A/B
OCT 1980

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
141471		DROP TANK	BCM		X		INDEPENDENCE 041453Z OCT 80	
142597		UNK	BCM	X			ATKRON 174 211431Z OCT 80	
141905		INT MAT FAIL		X			ATKRON 174 211730Z OCT 80	
141938		INT MAT FAIL	I/W	X			ATKRON 83 222301Z OCT 80	
141339		UNK	BCM	X			ATKRON 174 231526Z OCT 80	

TF41A-2A/B
NOV 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
141296	MIN	UNK			X		ATKRON 12 100953Z NOV 80	
142546		UNK		X			ATKRON 87 102300Z NOV 80	
141910		UNK			X		ATKRON 46 150137Z NOV 80	
141361		EXT MAT FAIL			X		ATKRON 81 231259Z NOV 80	

TF41A-2A/B
DEC 1980

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
141488		UNK		X		ATKRON 174 011747Z DEC 80	
141950		UNK		X		ATKRON 82 041450Z DEC 80	

J52-P8A/B
JUN 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	TEST CELL	REF	JCN
661309	MAJ	BOLT	BCM			RANGER 111256Z JUN 79	PF4-915817
650632	MAJ	PEBBLES	RFI	X		ATKRON 196 082245Z JUN 79	PJ5-915976
661422	MAJ	SML FOREIGN OBJ		X		" " 072144Z JUN 79	PJ5-915660
650676	MAJ	UNK	I/W	X		WHIDBEY ISL 102328Z JUL 79	
678280	MAJ	UNK	AWP	X		" " " "	
661469	MAJ	UNK	I/W	X		" " " "	
677194	MAJ	UNK	I/W	X		" " " "	
677534	MAJ	UNK	RFI	X		" " " "	
678183	MAJ	UNK	I/W	X		" " " "	
660789		BULLET ASSY BRACKET		X		* 790725 5 14370	AE4-9197312

*UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P8A/B
JUL 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
661519	MAJ	NAIL	BCM	X			HAMS 12 121124Z JUL 79	PF4-9188A01
661549	MAJ	INT MAT FAIL		X			ALAMEDA 302106Z JUL 79	
660665	MAJ	INT MAT FAIL	RFI	X			ATSUGI 190536Z JUL 79	
661029	MAJ	7/16" NUT			X		RANGER 150535Z JUL 79	
67077	MIN	UNK	I/W	X			WHIDBEY ISL 091914Z AUG 79	PB3-9191303
677191		UNK	I/W	X			" " "	
677415	MAJ	COMP BL VALVE PINS	BCM	X			HAMS 13 092341Z AUG 79	
677380	MAJ	ROCK		X			VMA AW 332 210702Z AUG 79	
660699	MAJ	UNK		X			ATKRON 128 291658Z AUG 79	PB3-9202848
677478		UNK			X		ATKRON 42 171605Z JUL 79	
660906		UNK		X			* 790802 5 07250	
677462	MAJ	UNK			X		* 790802 5 07260	
677564	MAJ	NON-SKID	BCM	X			KITTY HAWK 090250Z JUL 79	
677242	MAJ	NON-SKID	BCM	X			MIDWAY 050844Z JUL 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P8A/B
AUG 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	SHORE	REF	JCN
67380	MAJ	ROCK		X		VMA AW 332 210702Z AUG 79	FA9
677549	MAJ	BROKEN BLEED VALVE PINS	AWP		X	ATKRON 95 170739Z AUG 79	PC5-922305
677533	MAJ	PIP PIN		X		ALAMEDA 142104Z AUG 79	WC1
650635	MAJ	UNK	I/W	X		WHIDBEY ISL 072319Z SEP 79	
660805	MAJ	UNK	RFI	X		" "	
677196	MAJ	UNK	I/W	X		" "	
677386	MAJ	UNK	RFI	X		" "	
677556	MAJ	UNK	RFI	X		" "	
677268	MIN	BIRD		X		* 790808 5 12125	AB3-9213488
661093	MIN	UNK			X	* 790821 5 16425	PC5-9222984

*UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P8A/B
SEP 1979

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
660654	MAJ	UNK	BCM	X		RANGER 070935Z SEP 79	PJ5-926316
677541	MAJ	SUSP BOLT		X		CORAL SEA 250520Z SEP 79	
678499	MAJ	SUSP FLT DECK FOD		X		KITTY HAWK 030240Z OCT 79	
661306		UNK		X		HAMS 12 120755Z OCT 79	
660662	MAJ	UNK	I/W	X		WHIDBEY ISL 032006Z OCT 79	
677126	MAJ	UNK	AWP	X		" " "	
661028	MAJ	WASHER	BCM	X		CORAL SEA 050342Z NOV 79	PB3-9299AQ2
677154	MAJ	SUSP NON-SKID	BCM	X		KITTY HAWK 141336Z NOV 79	PB3-9303734
677441	MAJ	UNK	REP	X		" " "	
661179	MAJ	UNK	BCM	X		" " "	
661233	MIN	BULLET ASSY BRACKET		X		* 79100 5 00450	PH5-9269002
661512	MAJ	METAL OB	AWP	X		CUBI PT 110147Z SEP 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P8A/B
OCT 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHORE	SHIP	REF	JCN
661523	MAJ	UNK	BCM	X		HAMS 13 092116Z NOV 79	
677320	MAJ	UNK	BCM		X	CORAL SEA 082244Z NOV 79	PJ5-926527
677103	MIN	SUSP NON-SKID	REP		X	" "	PJ5-927414
661422	MAJ	UNK	I/W	X		WHIDBEY ISL 090030Z NOV 79	
661507	MAJ	UNK	RFI	X		" "	
677436	MAJ	UNK	I/W	X		" "	
677164	MAJ	UNK	BCM		X	HAMS 24 090240Z NOV 79	
677186		SUSP INT MAT FAIL		X		ATKRON 75 102317Z OCT 79	
650614		UNK			X	NIMITZ 110732Z OCT 79	
661229		UNK		X		ATKRON 42 111805Z OCT 79	
677545		UNK		X		ATKRON 176 140047Z OCT 79	
677441	MAJ	SUSP NON-SKID		X		* 791103 5 08150	
661073	MAJ	UNK	BCM	X		KITTY HAWK 700001Z OCT 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P8A/B
NOV 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	CELL		
650640	MAJ	RAGS		X			ATKRON 95 101935Z DEC 79	
677315	MIN	SUSP BOLT		X			" 128 272116Z NOV 79	
677303	MAJ	UNK		X			" 165 292006Z NOV 79	
661185	MAJ	OAT PROBE COVER		X			* 791125 4 0101	AD4-932939
677474		UNK			X		NIMITZ 161632Z NOV 79	AB4-931202
677076		BULLET ASSY BRKT & SAFETY WIRE			X		NIMITZ 161633Z NOV 79	
661186		TEMP PROBE COVER RETAINING PIN		X			ATKRON 65 270419Z NOV 79	
661107		BIRD		X			* 791203 3 0201	FB4-

* MISHAP REPORT, RECORD IDENT

J52-P8A/B
DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
660840	MAJ	UNK		X		ATKRON 128 072328Z DEC 79	
677218	MAJ	HARD MTL OBJ	BCM		X	CONSTELLATION 040252Z DEC 79	
661090	MAJ	UNK		X		ATKRON 127 101729Z DEC 79	
661646	MAJ	ICE		X		" 128 212331Z DEC 79	
677217	MAJ	ICE		X		" 145 131841Z DEC 79	
660818	MAJ	ICE		X		" " "	PF4-934562
660808	MAJ	UNK		X		VMA AW 121 192348Z DEC 79	GGB-934805
660944	MAJ	MAIN LANDING GEAR PIN		X		ATKRON 95 101936Z DEC 79	PC5-933852
677475		IFR DROGUE		X		" 42 172200Z DEC 79	AC3-934641
677325		INT MAT FAILURE		X		" " 172205Z DEC 79	
660726		SUSP. NON-SKID			X	NIMITZ 260813Z DEC 79	

J52-P8A/B
JAN 1980

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
660956	MAJ	SCREW			X		KITTY HAWK 081131Z JAN 80	PB3-936558
661136	MAJ	UNK			X		" 072258Z JAN 80	PC5-002376
661081	MAJ	UNK		X			ATKRON 95 260222Z JAN 80	PC5-002372
661276	MAJ	UNK		X			" " 260600Z JAN 80	
677489	MAJ	UNK		X			" " "	
650603	MAJ	UNK	I/W		X		ATKRON 128 051607Z FEB 80	
661502	MAJ	UNK			X		" 165 301603Z JAN 80	
660662	MAJ	RAG			X		CORAL SEA 130410Z JAN 80	PJ5-001145
661487	MAJ	UNK			X		" 211414Z JAN 80	PJ5-001575
600873	MAJ	UNK			X		KITTY HAWK 090850Z FEB 80	PB3-0031439
661529	UNK	UNK		X			COMMATWING 1 081845Z JAN 80	
677582	UNK	UNK			X		ATKRON 65 13702Z JAN 80	
661357	NOSE TIRE TREAD			X			" 85 271435Z JAN 80	AF5-002539
677507	UNK			X			" " "	
678317	UNK			X			* 800106 3 0301	
660709	MAJ	UNK		X			* 800129 3 0701	FA9-002997
696924	SUSP BOLT			X			** 800125 5 16120	

* MISHAP REPORT FILE, RECORD IDENT
** UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P8A/B
FEB 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
661589	MAJ	UNK			X		NIMITZ 240816Z FEB 80	
661015	MAJ	UNK		X			ATKRON 95 041635Z FEB 80	
661371		NOSE TIRE TREAD			X		" 85 051319Z FEB 80	
661640		UNK	AWM		X		" 42 081200Z FEB 80	
677069		UNK	RFI	X			" 65 092047Z FEB 80	
677581		ICE	RFI	X			" " 092049Z FEB 80	
677058		ICW	RFI	X			" " "	
661589		UNK			X		NIMITZ 240816Z FEB 80	
661516		AURAL PROTECTORS		X			* 800221 3 1101	FA9-005245

* MISHAP REPORT FILE, RECORD IDENT

J52-P8A/B
MAR 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
677438	MAJ	UNK		X			HAMS 13 080112Z MAR 80	GF7-0065174
661334	MAJ	INT MAT FAIL		X			" 060010Z MAR 80	GF7-0063A00
677162		UNK		X			ATKRON 42 192010Z MAR 80	
677254		UNK			X		" 85 310145Z MAR 80	
677164		UNK			X		* 800329 3 0201	AF5-008910

* MISHAP REPORT FILE, RECORD IDENT

J52-P8A/B
APR 1980

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	SHIP	TEST CELL		
661439		UNK			X		HIMITZ 080628Z APR 80	
661174	MAJ	SUSP METAL OBJ	BCM		X		RANGER 011849Z MAY 80	
660772	MAJ	ENG BULLET ASSY	BCM		X		CORAL SEA 010904Z MAY 80	
677152	MAJ	NOSE GR DWN LOCK SAFETY PIN	BCM		X		" 211406Z APR 80	
650572	MAJ	WIRE	I/W	X			WHIDBEY ISL 162146Z MAY 80	
660878	MAJ	WIRE	I/W	X			" "	
660966	MAJ	UNK		X			" "	
661252	MAJ	GRAVEL		X			" "	
661409	MAJ	WIRE		X			" "	
661582		UNK		X			ATKRON 42 082100Z APR 80	
677382		SUSP ICE	BCM 7		X		" 65 201710Z APR 80	
677581		SUSP ICE	BCM 7		X		" " "	
661091	MAJ	BULLET ASSY BRACKET		X			* 800519 5 23450	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P8A/B
MAY 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
660753	MAJ	SAND, GRIT	BCM		X		CTV 70 160330Z MAY 80	
661531	MAJ	UNK	BCM		X		CONSTELLATION 050338Z MAY 80	
661091	MAJ	BULLET ASSY CLIP		X			AIRTEVRON 5 192017Z MAY 80	P22-0133442

J52-P8A/B
JUN 1980

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
661015	MAJ	INT MAT FAIL	BCM		X	RANGER 080459 JUN 80	
677148	MAJ	WIRE	I/W	X		ATKRON 95 112130Z JUN 80	
660718	MAJ	UNK	BCM	X		" 65 180843Z JUN 80	
661624	MAJ	BOLT	BCM		X	RANGER 180927Z JUN 80	
660959	MAJ	UNK	BCM		X	ATKRON 65 260657Z JUN 80	
660921		RAG	BCM		X	" 34 152159Z JUN 80	
677525		UNK			X	NORVA 242106Z JUN 80	
660831		UNK	AWM	X		ATKRON 35 241945Z JUN 80	
660977		UNK	I/W	X		" 42 251210Z JUN 80	
661371		UNK	AWM	X		" " 261216Z JUN 80	

J52-P8A/B
JUL 1980

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	TEST CELL			
677309	MAJ	UNK		X			ATKRON 95 181645Z JUL 80	
660983	MAJ	SUSP NON-SKID		X			" 128 261607Z JUL 80	
661357	MAJ	SUSP NON-SKID	BCM	X			" 65 300629Z JUL 80	
661408	MAJ	SUSP NON-SKID	BCM	X			" " "	
661409	MAJ	BLACK TAR-LIKE SUBSTANCE		X			" 95 050015Z AUG 80	
67716	MAJ	UNK		X			MIDWAY 191814Z JUL 80	
660799	MAJ	SCREW	I/W	X			ATKRON 128 291807Z JUL 80	
677061	MAJ	SUSP NON-SKID		X			" " 311807Z JUL 80	
677414	UNK	UNK		X			" 176 142121Z JUL 80	
661265		CANOPY JETTISON SAFETY PIN		X			SARATOGA 212128Z JUL 80	
677410		BIRD		X			ATKRON 42 291913Z JUL 80	

J52-P8A/B
SEP 1980

S/N		CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
677576	MAJ	UNK		BCM		X		EISENHOWER 040437Z SEP 80	
650646	MIN	UNK				X		ATKRON 52 192356Z SEP 80	
661343	MAJ	SML MTL OBJ				X		" " 261532Z SEP 80	
661077	MAJ	SML MTL OBJ				X		" " 221448Z SEP 80	
677578	MAJ	UNK				X		MIDWAY 111448Z SEP 80	
677310	MIN	UNK			X			VMA AW 121 192109Z SEP 80	
650622	MAJ	WOOD		I/W				WHIDBEY 092041Z OCT 80	
661174	MAJ	RUBBER		AWP				" " "	
661404	MAJ	GRAVEL		AWP				" " "	
677415	MAJ	GRAVEL		I/W				" " "	
650645		UNK				X		NIMITZ 131110Z SEP 80	
677372		CHAIN BAG STRAP				X		" 141819Z SEP 80	
695404		CALFAX			X			FITRON 101 151310Z SEP 80	
679340	MIN	UNK				X		" 143 160522Z SEP 80	
687086	MAJ	UNK				X		EISENHOWER 161120Z SEP 80	

J52-P8A/B
OCT 1980

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
650654	MAJ	UNK	BCM	X		EISENHOWER 060705Z OCT 80	
660594		BLEED VALVE STOP PIP		X		ATKRON 34 061803Z OCT 80	
677179		UNK		X		" 42 061838Z OCT 80	
660693	MAJ	UNK	BCM			EISENHOWER 090615Z OCT 80	
650566		STOPPINS	BCM 7	X		ATKRON 34 251325Z OCT 80	
687144		SUSP FASTENER		X		FITRON 143 251345Z OCT 80	
677460		UNK		X		ATKRON 85 291936Z OCT 80	
661426		UNK	AWM	X		" 42 312025Z OCT 80	
660841		BIRD		X		* 801125 3 050;	PE8

* MISHAP REPORT FILE, RECORD IDENT

J52-P8A/B
NOV 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
660820		UNK	BCM 7		X		ATKRON 85 051610Z NOV 80	
660937		EXT MAT FAIL	AWM	X			" 42 061800Z NOV 80	
677360	MAJ	INT MAT FAIL			X		EISENHOWER 081312Z NOV 80	
661347	MAJ	VANCO LIGHT TIP	RFI	X			ATKRON 176 112157 NOV 80	
677124		UNK		X			" 42 132100Z NOV 80	
650607		UNK			X		" 85 251811Z NOV 80	

J52-P8A/B
DEC 1980

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
661410		WASHER			x	ATKRON 176 080714Z DEC 80	
661167		BLEED VALVE PINS		x		" 75 111602Z DEC 80	
677562	MAJ	UNK		x		" 176 130832Z DEC 80	
677165		BIRD		x		VMAT AW 202 171712Z DEC 80	FB4

J52-P408
JUN-JUL 1979

S/N	CAT	CAUSE		DISP	SHIP		REF	JCN
		SHORE	TEST CELL		SHIP	TEST CELL		
678245	MIN	UNK			X		KITTY HAWK 162201Z JUN 79	P65-9157372
678351	MAJ	UNK		X			TACLE RON 133 192306Z JUN 79	
678280	MAJ	UNK		X			" " 192307Z JUN 79	
678493		SUSP NON-SKID		BCM	X		* 790608 3 0101	P65-915930
678226	MAJ	SUSP NON-SKID		BCM	X		* 790614 3 0201	P65-916517
678451	MAJ	UNK		BCM			YUMA 061429Z JUN 79	
678199	MIN	UNK		RFI	X		RANGER 040245Z JUN 79	
678365	MAJ	UNK		BCM	X		RANGER 130357Z JUL 79	
678480	MAJ	LOCKWIRE		RFI	X		RANGER 201427Z JUL 79	P679213347
678157	MAJ	SUSP METAL OBJ			X		KITTY HAWK 220723Z JUL 79	P65-919838
678270	MIN	UNK				X	WHIDBEY ISL 091914Z AUG 79	
678443	MIN	UNK				X	" " "	
678245	MAJ	SUSP NON-SKID			X		KITTY HAWK 090250Z JUL 79	

* MISHAP REPORT FILE, RECORD IDENT

J52-P408
AUG-OCT 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
678322	MAJ	BIRD	BCM	X			HAMS 13 092341Z AUG 79	
678550	MAJ	UNK	BCM	X			HAMS 12 090737Z AUG 79	
678532	MAJ	SUSP TAPE BALL	BCM		X		RANGER 181107Z AUG 79	
678447	MAJ	GRAVEL	BCM	X			HAMS 13 062313Z SEP 79	
678390	MAJ	EXT MAT FAIL	BCM	X			" " "	
664238		UNK		X			ATKRON 205 311710Z AUG 79	
678499	MAJ	METAL OBJ	REP	X			CUBI PT 220157Z OCT 79	P65-925429
678191	MAJ	UNK	AWP	X			WHIDBEY ISL 032006Z OCT 79	
678392	MAJ	INT MAT FAIL			X		KITTY HAWK 210503Z OCT 79	P65-927815
678236		UNK			X		TACELRON 133 010446Z OCT 79	

J52-P408
NOV-DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
678239	MAJ	UNK	X			TACELRON 129 050054Z JAN 80	OHO-934428
678507	MAJ	NOSE WHL DOWN LOCK SAFETY PIN	X			" " 040556Z JAN 80	
678450	MAJ	AT3			X	NIMITZ 221430Z DEC 79	
664228		BIRD STRIKE	X			ATKRON 174 191914Z DEC 79	

J52-P408
JAN/FEB/MAR 1980

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
696924	MAJ	SUSP STONE OR BOLT		X		TACELRON 136 182239Z JAN 80	P66-0016442
678305	MAJ	RIVET HEAD		X		" 138 310123Z JAN 80	P68-002849
678317	MAJ	SUSP NON-SKID			X	KITTY HAWK 120618Z JAN80	P65-000602
678241		SAFETY PIN & RFB FLAG		X		* 801022 3 0101	
678214	MAJ	INT MAT FAIL			X	NIMITZ 101846Z FEB 80	
678169		UNK			X	TACELRON 133 061019Z FEB 80	
678427		UNK			X	" " 061047Z FEB 80	
678475	MAJ	UNK		X		TACELRON 137 012200Z APR 80	
678599	MAJ	SUSP GRAVEL		X		" 130 260115Z MAR 80	

* FLIGHT MISHAP REPORT, RECORD IDENT

J52-P408
APR/MAY/JUN 1980

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	SHIP	TEST CELL		
678405	MAJ	TOOL	BCM		X		NIMITZ 041744Z MAY 80	
678174	MAJ	UNK		X			TACELRON 138 071551Z APR 80	
678454	MAJ	METAL OBJ	I/W	X			WHIDBEY ISL 162146Z MAY 80	
678522	MAJ	WIRE	I/W	X			" " "	
678475	MIN	UNK	.	X			TACELRON 135 092233Z MAY 80	
678316	MAJ	UNK	BCM		X		EISENHOWER 090633Z JUL 80	
678428	MAJ	UNK		X			TACELRON 137 181700Z JUN 80	
696915	MAJ	UNK	BCM				ALAMEDA 101441Z JUL 80	

J52-P408
JUL/AUG/SEP 1980

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	SHORE	REF	JCN
678336	MAJ	INT MAT FAIL		X		TACELRON 129 171606Z JUL 80	
678503	MAJ	INT MAT FAIL			X	EISENHOWER 310507Z JUL 80	
678642		GRAVEL		X		TACELRON 133 162037Z JUL 80	
678316	MAJ	UNK			X	EISENHOWER 090633Z JUL 80	
678279	MAJ	GRAVEL	AWP	X		TACELRON 129 121636Z AUG 80	
678191	MAJ	UNK	BCM		X	EISENHOWER 120744Z SEP 80	
678537	MIN	UNK			X	TACELRON 132 161708Z SEP 80	
678437	MAJ	e/8" or 5/16" NUT	BCM		X	RANGER 231227Z SEP 80	

J52-P408
OCT/NOV/DEC 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
678190		SAFETY PIN WITH FLAG			X		TACELRON 138 061759Z OCT 80	
678417		UNK			X		EISENHOWER 110718Z OCT 80	
696904		UNK	BCM	X			* 801020 3 0201	FA5-029560
678241		RACK SAFETY PIN WITH FLAG		X			* 801022 3 0101	FAG-029659
678522		UNK			X		TACELRON 130 041227Z DEC 80	

T64GE-6B
JUN-DEC 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
262067	UNK			X			HMH 462 291858Z JUN 79	
262176	MAJ	UNK				X	HAMS 16 082346Z JUN 79	
262322	MAJ	INT MAT FAIL	BCM	X			HMH 462 202303Z DEC 79	

T64GE-6B
JAN-DEC 1980

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	TEST CELL			
262301	MAJ	UNK		X			HMH 462 090341Z FEB 80	
262058	MAJ	UNK	AWP	X			HMT 301 181742Z JAN 80	
262298	MAJ	SUSP INT FAIL		X			HMH 361 031716Z MAR 80	
262258	MAJ	UNK		X			HMT 301 101819Z MAR 80	
262390	MAJ	UNK		X			" " 281804Z FEB 80	
262155	MAJ	12" ELEC WIRE		X			HMH 462 072227Z MAR 80	
262290	MAJ	SML METAL OBJ	BCM	X			HMH 361 102300Z JUL 80	
262061	MAJ	UNK	BCM	X			" 363 142351Z JUL 80	
262043	MAJ	UNK		X			" " 252317Z AUG 80	
262290	MAJ	SML METAL OBJ		X			" 361 102300Z JUL 80	
262196	MAJ	INT MAT FAIL	AWP	X			" 363 072314Z AUG 80	
262043	MAJ	UNK	I/W	X			" " 142350Z JUL 80	
262069	MAJ	METAL OBJ	I/W	X			" " 042316Z AUG 80	

T64GE-413

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
264320	MAJ	SUSP EXT MAT FAIL		X			HMH 361 270830Z AUG 79	
264226		SUSP INT MAT FAIL		X			HMH 361 070841Z NOV 79	
264279	MAJ	UNK	BCM	X			HMM 165 232120Z NOV 79	
264322	MAJ	SUSP PEBBLES	REP	X			" " 112230Z NOV 79	
264401	MIN	EXT MAT FAIL		X			HMH 361 070842Z NOV 79	
264237	MAJ	UNK	AWP	X			HAMS 24 050206Z DEC 79	
264226	MAJ	INT MAT FAIL	AWP	X			HMH 363 200757Z DEC 79	
264233	MAJ	UNK	BCM	X			" " 180837Z DEC 79	
264150		UNK		X			HMH 362 161136Z JAN 80	
264291	MAJ	SUSP INT MAT FAIL		X			HMH 463 172120Z APR 80	
264405		METAL PARTICLES FROM GEAR BOX	BCM	X			HMH 363 202322Z AUG 80	

J79GE-8C/D
JUN-AUG 1979

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
401608	MAJ	SUSP BOLT	BCM	X		YUMA 052054Z JUL 79	GFB-915490
421489	MAJ	UNK	BCM	X		MAG 11 102357Z JUL 79	
421863	MAJ	UNK	BCM		X	" " "	
421140	MAJ	10/32" SCREW		X		MAG 11 312054Z JUL 79	GFB-920544
401912	MAJ	BOLT	BCM	X		VMFB 3 252012Z JUL 79	
421016	MAJ	SAFETY PIN	BCM	X		VMFB 314 202156Z JUL 79	
401413		UNK			X	WASH D.C. 031401Z JUL 79	SBO-915775
401988	MAJ	UNK	BCM	X		YUMA 061429Z JUN 79	
401127	MAJ	UNK	BCM	X		YUMA 021421Z AUG 79	
421013		SCREWS	BCM	X		VMFB 3 DET 2 300639Z AUG 79	GE7-923543
401737	MAJ	SUSP INT MAT FAIL		X		VMFA 314 282305Z AUG 79	
401955	MAJ	UNK		X		VMFA 531 160126Z AUG 79	
421835	MIN	UNK		X		VMFA 314 062252Z AUG 79	
401667	MAJ	UNK		X		VMFA 314 061748Z AUG 79	
401681		BIRD STRIKE			X	FITRON 171 132024Z AUG 79	
401132	MAJ	UNK	BCM	X		HAMS 15 120242Z SEP 79	

J79GE-8C/D
SEP/OCT 1979

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	SHIP	TEST CELL		
421533	MAJ	UNK	BCM	X			MAG 11 102259Z SEP 79	
401955	MAJ	UNK	BCM	X			" "	
401791		SUSP RIVET		X			* 791005 5 21000	SBO-9265341
421358	MAJ	METAL OBJ	BCM	X			VMFP 3 051856Z OCT 79	
401242	MAJ	UNK			X		MAG 11 022337Z NOV 79	
401301	MAJ	SUSP RAG	BCM	X			" 090052Z NOV 79	
421642	MAJ	UNK	BCM		X		" 090053Z NOV 79	
421305	MAJ	SUSP NON-SKID	BCM		X			
401333	MAJ	UNK	BCM		X		VMFA 531 181537Z OCT 79	
401303	MAJ	UNK	BCM	X			MAG 11 091715Z NOV 79	
421956	MAJ	UNK	BCM	X			" "	
421585	MAJ	UNK	BCM				" "	
421694	MAJ	UNK			X		TACELRON 33 031611Z OCT 79	BBO-927508
422004		SUSP RIVET	BCM	X			WASH DC 111734Z OCT 79	
421715	MAJ	UNK	REP				CUBI PT. 082317Z NOV 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

J79GE-8C/D
NOV/DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
401440	MAJ	SUSP INT MAT FAIL	BCM	X			MAG 11 141830Z NOV 79	KB2-931442
401513		BIRD		X			* 791110 3 0501	
401736		UNK		X			* 791116 3 0901	KB2-932045
421853	MAJ	UNK			X		CORAL SEA 171024Z DEC 79	
401928		TEST CELL HARDWARE				X	KEY WEST 042214Z DEC 79	
401635		UNK		X			** 800107 5 18100	GE7-9337A00

* MISHAP REPORT FILE, RECORD IDENT
** UNSATISFACTORY REPORT FILE, RECORD IDENT

J79GE-8C/D
JAN/FEB 1980

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
401828	MAJ	UNK	BCM-7 X			YUMA 181651Z JAN 80	
401598	MAJ	SAFETY PIN	BCM	X		CORAL SEA 140602Z JAN 80	
401491	MAJ	BOLT	BCM	X		" 141144Z JAN 80	
422009		UNK	BCM			WASH DC 082101Z JAN 80	SBO-933375
421373	MAJ	UNK	X			VMFA 314 132235Z FEB 80	
421927	MAJ	UNK	BCM-7 X			YUMA 221600Z FEB 80	GQ2-004947
421792		UNK	X			KEY WEST 041812Z FEB 80	KB1-001027
422072		UNK				* 800620 5 18241	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

J79GE-8C/D
MAR/APR 1980

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	TEST CELL	REF	JCN
401304	MAJ	SUSP GRAVEL		X		VMFA 314 100047Z APR 80	
401209	MAJ	UNK		X		" 100041Z APR 80	
401298	MAJ	RIVET			X	CORAL SEA 031410Z APR 80	GB8-008748
421965	MAJ	EXT MAT FAIL	RFI		X	" 221954Z MAR 80	
401962	MAJ	HARD ROUND OBJ			X	" 161524Z MAR 80	
401470		UNK	BCM	X		WASH D.C. 101303Z MAR 80	SBO-0038317
401520		UNK	BCM	X		" "	
421711	MAJ	UNK		X		MAG 15 060253Z MAY 80	
401525	MAJ	SUSP FASTENER		X		" 110237Z APR 80	
421196	MAJ	BOLT OR SCREW			X	CORAL SEA 041558Z APR 80	
401298		UNK			X	" 032036Z APR 80	
421762		UNK	BCM			WASH D.C. 092003Z MAY 80	SBO-011357

J79GE-8C/D
MAY/JUNE

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	SHORE	REF	JCN
421316		SUSP INT MAT FAIL		X		* 800506 3 0401	SBO-012794
401671	MAJ	1/2" CARBON CHUNK	RFI	X		CUBI PT 020417Z JUN 80	
421890	MAJ	UNK	BCM		X	MIDWAY 121416Z JUN 80	
421668	MAJ	UNK		X		YUMA 242345Z JUN 80	
421922	MAJ	UNK		X		VMFA 323 241439Z JUN 80	
421033		UNK	I/W	X		KEY WEST 031432Z JUN 80	
401722		INT MAT FAIL	I/W	X		" " "	
401998		UNK	BCM	X		WASH D.C. 091432Z JUN 80	
401477	MIN	SUSP GRAVEL		X		** 800620 5 18241	
421601		UNK		X		* 800608 4 0401	KBA

* MISHAP REPORT FILE, RECORD IDENT
** UNSATISFACTORY REPORT FILE, RECORD IDENT

J79GE-8C/D
JUL/AUG 1980

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	TEST CELL			
421861	MAJ	INT MAT FAIL	BCM-7	X			YUMA 050013Z AUG 80	
401246	MAJ	BOLT	BCM	X			VMFA 531 242359Z JUL 80	
401178	MAJ	SCREEN	BCM				MIRAMAR 080007Z AUG 80	
422080	MIN	UNK	REP				" "	
421281	MAJ	UNK	BCM				" "	
401477		UNK	BCM	X			WASH D.C. 021918Z JUL 80	
401732	MAJ	INFLIGHT, MIDAIR COLL	BCM	X			VMFP 3 101703Z SEP 80	
421782	MAJ	SCREW	BCM-7	X			YUMA 200101Z AUG 80	
421784	MAJ	SMALL PIN OR BOLT	BCM	X			VMFA 314 280007Z AUG 80	
401783		CONCRETE	I/W	X			KEY WEST 011258Z AUG 80	

J79GE-8C/D
SEP/OCT/DEC 1980

JCN

SHORE
SHIP
TEST CELL

S/N	CAT	CAUSE	DISP	SHORE SHIP TEST CELL	REF	JCN
421852	MAJ	UNK	BCM	X	VMFA 314 181811Z SEP 80	
421977	MAJ	SCREW OR BOLT	BCM	X	" 323 081507Z SEP 80	
421691	MAJ	SUSP EXT MAT FAIL	BCM	X	" 531 110009Z SEP 80	
401823		UNK	I/W	X	FITRON 171 221715Z OCT 80	
421266		INT MAT FAIL		X	FITRON 171 041938Z DEC 80	
401485		NUTS/BOLTS		X	" 311833Z DEC 80	

J19GE-10A/B
JUN 1979

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
433118	MAJ	SCREW FASTENER		X		AIRTEVRON 4 192124Z JUN 79	
433439	MAJ	UNK	BCM		X	RANGER 051749Z JUN 79	
448076	MAJ	UNK		X		CUBI PT. 060141Z JUN 79	
433830		UNK	CER	X		HAMS 31 091414Z JUL 79	
433742	MAJ	UNK	BCM	X		YUMA 061429Z JUN 79	
448296	MAJ	UNK	BCM		X	CUBI PT. 110507Z JUN 79	
433765	MAJ	INT MAT FAIL	BCM	X		HAMS 15 070425Z JUN 79	
448422	MAJ	BOLT OR SCREW	BCM		X	RANGER 141117Z JUN 79	
448189	MAJ	UNK	AWM	X		CUBI PT. 110557Z JUL 79	

J79GE-10A/B
JUL 1979

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
448422	MAJ	BOLT OR SCREW	BCM		X		RANGER 130357Z JUL 79	
448316	MAJ	UNK	BCM	X			YUMA 021421Z AUG 79	
433878	MAJ	SHARP EDGED OBJ			X		MIDWAY 200050Z JUL 79	
433599	MAJ	UNK		X			CUBI PT 140723Z JUL 79	
448307	MAJ	STONES/SAND	AWM	X			FITRON 31 011300Z AUG 79	
433933	MAJ	" "	AWM	X			" "	
433853	MAJ	UNK					* 790726 5 13480	A8K-9192658
433463	MAJ	SCREW OR BOLT			X		MIDWAY 020338Z JUL 79	
448016	MIN	UNK	BCM	X			ATSUGI 130644Z AUG 79	
433322	MAJ	UNK	BCM	X			HAMS 15 100049Z AUG 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

J79GE-10A/B
AUG 1979

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
448316	MAJ	UNK	BCM	X		YUMA 021421Z AUG 79	
433322	MAJ	UNK	BCM	X		HAMS 15 100049Z AUG 79	
433840	MAJ	SUSP e/8" NUT	BCM		X	MIDWAY 310026Z AUG 79	
448093	MAJ	BOLT	BCM		X	" 270006Z AUG 79	
433227	MAJ	RUBBER MOLDING FROM INTAKE SCREEN	BCM		X	RANGER 190915Z AUG 79	
433429	MAJ	BIRD	AWM		X	MIDWAY 162342Z AUG 79	
433187	MIN	SUSP METAL OBJ	BCM	X		ATSUGI 150210Z AUG 79	
44016	MAJ	SUSP STONE	BCM	X		MIDWAY 100648Z AUG 79	
433741	MIN	UNK		X		FITRON 103 071048Z AUG 79	
433161		LAU 17 SAFETY PIN		X		VMFA 451 101621Z AUG 79	
448358		" "		X		FITRON 103 211904Z AUG 79	
448184		SUSP BOLT OR SCREW		X		" 74 301632Z AUG 79	
433757		SUSP FASTENER		X		* 790815 3 0701	FEA-922720
448364	MAJ	BOLT/SCREW	BCM		X	MIDWAY 061030Z SEP 79	

* MISHAP REPORT FILE, RECORD IDENT

J79GE-10A/B
SEP 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
448364	MAJ	BOLT OR SCREW	BCM		X		MIDWAY 061030Z SEP 79	
433548	MAJ	UNK	BCM	X			YUMA 202311Z SEP 79	
448046	MAJ	5/16" FASTENER	BCM		X		RANGER 140543Z SEP 79	
448212	MAJ	UNK		X			VMFA 211 101740Z SEP 79	GNS-924877
448315		UNK		X			" 251 071821Z SEP 79	
433865		UNK			X		* 791008 2 0801	
433187	MAJ	UNK	BCM		X		MIDWAY 100516Z OCT 79	

* MISHAP REPORT FILE, RECORD IDENT

J79GE-10A/B
OCT 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
421956	MAJ	UNK		X			VMFA 314 242044Z OCT 79	
433598	MAJ	SUSP METAL OBJ		X			" 232 240304Z OCT 79	
448438	MAJ	BIRD STRIKE		X			" 121 262040Z OCT 79	
448304	MAJ	SAFETY PIN	BCM		X		MIDWAY 271314Z OCT 79	
433815	MAJ	CENTERLINE SAFETY PIN			X		" 310130Z OCT 79	
433840	MAJ	SCREW	REP				CUBI PT 082317Z NOV 79	
448350	MAJ	UNK		X			YUMA 101 012310Z NOV 79	
433956	MIN	SUSP NON-SKID			X		MIDWAY 010706Z NOV 79	
433722		SECTION OF TURN-UP SCREEN		X			VMFA 122 011900Z OCT 79	
433398		PIECE OF ALUMINUM		X			FITRON 74 101956Z OCT 79	
448301		UNK	BCM-1		X		" 11 131836Z OCT 79	
433639		UNK		X			" 31 262023Z OCT 79	
448279		UNK		X			" 171 311605Z OCT 79	
448084	MAJ	UNK	AWP				HAMS 24 090240Z NOV 79	
448190	MAJ	UNK	BCM		X		MIDWAY 081602Z NOV 79	

J79GE-10A/B
NOV 1979

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	TEST CELL			
448126	MAJ	INT MAT FAIL	REP	X			VMFA 235 270137Z NOV 79	
433291	MAJ	GROUNDING CABLE & CLAMP	BCM-1	X			VMFA 232 282332Z NOV 79	
433192	MAJ	UNK	BCM-1	X			YUMA 292230Z NOV 79	
448178	MAJ	METAL OBJ		X			FITRON 121 031820Z DEC 79	
433661	MAJ	SMALL SOLID OBJECT					CUBI PT 092347Z DEC 79	
448262		PANEL SCREW		X			" 451 022016Z NOV 79	
433890		UNK		X			" 251 021640Z NOV 79	
433725		UNK		X			" 451 022015Z NOV 79	
448183		SUSP SCREW		X			" 333 052059Z NOV 79	FEA-926741
448379		UNK		X			NORVA 261256Z NOV 79	FE8-931910
448016	MAJ	THREADED OBJ	AWP				CUBI PT 092347Z DEC 79	
433227	MAJ	LARGE SOLID OBJECT	AWP				" " "	
433468	MAJ	UNK	BCM-1	X			YUMA 071525Z DEC 79	

J79GE-10A/B
DEC 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	SHORE	REF	JCN
433836	MAJ	SUSP 1/4" SCREW OR BOLT	BCM	X		MIDWAY 071822Z DEC 79	
433360	MAJ	BOLT	BCM-1	X		YUMA 202327Z DEC 79	
433594	MAJ	SUSP SMALL BOLT OR SCREW	BCM	X		MIDWAY 220958Z DEC 79	
433355	MAJ	BOLT OR SCREW	BCM	X		" 152354Z DEC 79	
433639		UNK		X		SARATOGA 100605Z DEC 79	
448381		UNK		X		FITRON 11 132221Z DEC 79	
433483	MAJ	BOLT	AWP			CUBI PT 160217Z JAN 80	
448304	MAJ	SMALL METAL OBJ	AWP			" " "	
448178	MAJ	UNK	CER	X		MIRAMAR 040136Z JAN 80	

J79GF-10A/B
JAN 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
433392	MAJ	INT MAT FAIL	BCM		X		MIDWAY 050340Z FEB 80	GN3-001870
448134	MAJ	SUSP BOLT	BCM		X		" 122246Z JAN 80	
433675	MAJ	SUSP SCREW	BCM		X		" 071008Z JAN 80	
433385	MAJ	ORD PIN BAG WITH 4 SHRTG CAPS	BCM		X		" 271814Z JAN 80	
433621	MAJ	SUSP INT MAT FAIL	BCM	X			VMFA 212 240550Z JAN 80	
433681	MAJ	1/4 x 28 BOLT	BCM	X			" 451 210508Z JAN 80	
433799		UNK			X		FITRON 74 031124Z JAN 80	
433896		UNK			X		SARATOGA 070015Z JAN 80	
433995		UNK		X			VMFA 312 312136Z JAN 80	
433703		UNK		X			" " 312137Z JAN 80	
433817		UNK		X			" " 312135Z JAN 80	

J79GE-10A/B
FEB 1980

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	TEST CELL			
433543	MAJ	METAL OBJ		X			FITRON 121 051742Z MAR 80	
448386	MIN	SUSP GRAVEL	REP	X			VMFA 235 072100Z FEB 80	
433624	MAJ	UNK	BCM-7	X			YUMA 231445Z FEB 80	
448245	MAJ	UNK	BCM	X			YUMA 262201Z MAR 80	
433488	MAJ	UNK		X			" "	
448161		MAIN MOUNT FROM OTHER A/C	BCM-7		X		FORESTAL 041905Z FEB 80	
448085		SUSP SCREW	BCM	X			* 800226 3 1001	GB7-005719
433132	MAJ	UNK	BCM				CG 1st MAW 210804Z MAR 80	
433675	MAJ	SAFETY WIRE & THREADED OBJ					CUBI PT 120007Z MAR 80	
433429	MAJ	SCREW	REP				" "	
433513	MAJ	UNK	REP				" "	
433312	MAJ	SCREW	BCM			X	MIDWAY 090912Z MAR 80	

* MISHAP REPORT FILE, RECORD IDENT

J79GE-10A/B
MAR 1980

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
433352	MAJ	1/4" BOLT		X		YUMA 212345Z MAR 80	GQ1-0068107
433868	MAJ	UNK		X		" 111935Z MAR 80	
448207	MAJ	UNK		X		VMFA 235 202356Z MAR 80	GF3-007412
448124	MAJ	BOLT OR SCREW		X		MIDWAY 071146Z MAR 80	
433753	MAJ	SUSP PANEL SCREW		X		VMFA-232 132345Z MAR 80	GB7
433999		UNK	BCM-7		X	SARATOGA 070527Z MAR 80	
433149		SUSP SCREW	CER	X		VMFA 251 102011Z MAR 80	
433693		UNK		X		FITRON 33 111335Z MAR 80	
448085	MAJ	SUSP SCREWS		X		VMFA 232 120110Z MAR 80	
433490		INT FAIL	BCM		X	FITRON 74 150501Z MAR 80	
433443		RIVET	AWP	X		VMFA 312 191341Z MAR 80	
448423		UNK		X		FITRON 33 211957Z MAR 80	
448027		UNK		X		" " 251645Z MAR 80	AF1-007224
433801		UNK	AWP	X		VMFA 122 252305Z MAR 80	
433865		UNK			X	* 800313 3 1401	

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J79GE-10A/B
APR 1980

S/N	CAT	CAUSE	DISP		SHIP	TEST CELL	REF	JCN
			SHORE					
433368	MAJ	SUSP 10/32" SCREW		X			FITRON 154 171800Z APR 80	
433892	MAJ	INT MAT FAIL	BCM	X			ATSUGI 300702Z APR 80	
448069	MAJ	UNK		X			MAG 15 091033Z APR 80	
433109	MIN	SUSP GRAVEL		X			VMFA 235 252047Z APR 80	
433466	MAJ	UNK	BCM	X			ATSUGI 120604Z MAY 80	
448011	MAJ	UNK	BCM	X			" " "	
433182		SUSP RIVET	AWP	X			VMFA 122 042318Z APR 80	
488174		FLASHLIGHT & GOGGLES	BCM		X		NAVSTA ROM 071406Z APR 80	
448232		UNK		X			HAMS 31 072053Z APR 80	
433855		INT MAT FAIL			X		FORRESTAL 101605Z APR 80	
433798		UNK	BCM		X		SARATOGA 112033Z APR 80	
448150		UNK	BCM		X		" 141138Z APR 80	
448315		UNK	AWP	X			VMFA 312 161601Z APR 80	

J79GE-10A/B
MAY 1980

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
448125		UNK	BCM		X	SARATOGA 042041Z MAY 80	
433619	MAJ	SUSP INT MAT FAIL		X		FITRON 171 211420Z MAY 80	
433673		SUSP BOLT	AWP	X		VMFA 122 211351Z MAY 80	
433636	MAJ	UNK	BCM	X		MAG 24 090211Z MAY 80	
448430	MIN	RIVET		X		VMFA 232 100314Z MAY 80	
433885	MAJ	UNK	BCM	X		" " "	
433150	MAJ	UNK	BCM	X		VMFA 232 100313Z MAY 80	
433375	MAJ	UNK	BCM-7	X		YUMA 090025Z MAY 80	
448313	MAJ	UNK		X		FITRON 21 272035Z MAY 80	
433594	MAJ	UNK	BCM	X		HAMS 15 050021Z JUN 80	
433476	MAJ	UNK	BCM	X		" " "	
433592	MAJ	UNK	BCM	X		" " "	

AD-A105 787

NAVAL POSTGRADUATE SCHOOL MONTEREY CA
FOREIGN OBJECT DAMAGE IN NAVAL AIRCRAFT ENGINES.(U)
JUN 81 J B MILLS

F/G 1/3

UNCLASSIFIED

NL

2 of 2

NO. 8

105-787

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DATE

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J79GE-10A/B
JUN 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
448281	MAJ	SMALL OBJ	RFI	X			CUBI PT 020417Z JUN 80	
433227	MAJ	1/4 x 28 BOLT	RFI	X			" "	
433336	MAJ	SUSP BRONZE OBJ		X			FITRON 21 051535Z JUN 80	
448376	MIN	SMALL ROCK		X			" 051635Z JUN 80	
448406	MAJ	UNK	BCM-7	X			YUMA 032106Z JUL 80	
433629	MAJ	UNK	BCM-7	X			" 212307Z JUN 80	
433260	MAJ	SUSP RIVET		X			VMFA 212 232220Z JUN 80	
448074	MAJ	UNK	BCM	X			" 232 292345Z JUN 80	
433987	MAJ	SUSP RIVET		X			" 235 301853Z JUN 80	
448123	MAJ	UNK	BCM	X			" 451 260312Z JUN 80	
433162		SUSP RIVETS	CER	X			VMFA 122 041810Z JUN 80	

J79GE-10A/B
JUL 1980

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
448155	MAJ	BUSHING	BCM	X			YUMA 061410Z AUG 80	
448326	MAJ	GRAVEL		X			" 282100Z JUL 80	
433359	MAJ	ROUND OBJ	BCM-7		X		MIDWAY 281118Z JUL 80	
448091	MAJ	UNK	BCM		X		MIDWAY 110650Z JUL 80	
433264	MAJ	UNK	BCM	X			VMFA 212 291815Z JUL 80	
448008	MAJ	SML HRD OBJ	BCM	X			" 232 250432Z JUL 80	
448395	MAJ	IFR PROBE LOCKING LUG	BCM	X			" 451 051811Z AUG 80	
448069	MAJ	HARD METAL OBJ					CUBI PT 060007Z AUG 80	
433296	MAJ	BOLT OR SCREW					" " "	
448311		UNK	CER	X			FITRON 74 121927Z JUL 80	
448232		UNK		X			VMFA 312 171431Z JUL 80	
448267		UNK	CER	X			" " 311716Z JUL 80	

J79GE-10A/B
AUG 1980

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
448088		UNK	CER	X		VMFA 115 011750Z AUG 80	
433451		SUSP SCREW OR BOLT			X	SARATOGA 071357Z AUG 80	
433851		UNK	CER	X		VMFA 312 191511Z AUG 80	
433327		UNK		X		FITRON 171 221700Z AUG 80	
433309		INT MAT FAIL		X		" " 281415Z AUG 80	
448282		UNK		X		" " 291901Z AUG 80	
433358	MAJ	SUSP ZEUS FASTENER	BCM	X		YUMA 152225Z AUG 80	
448048	MAJ	SHRADER VALVE CAP	BCM		X	MIDWAY 201802Z AUG 80	
433931	MAJ	UNK	RFI	X		VMFA 235 281335Z AUG 80	
448403	MIN	UNK	AWM			MAG 24 110236Z SEP 80	

J79GE-10A/B
SEP/OCT 1980

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
433401	MAJ	UNK	X			FITRON 121 111642Z SEP 80	
433622	MAJ	UNK	X			" 154 232200Z SEP 80	
433249	MIN	SMALL HARD OBJ	X			VMFA 232 162213Z SEP 80	
433251		SUSP NON-SKID		X		ROTA 050707Z SEP 80	
433722		UNK	X			VMFA 312 251316Z SEP 80	
433134		UNK	X			" " 251317Z SEP 80	
433393		UNK	X			" " 301127Z SEP 80	
433694		SCREW	X			* 801001 3 0201	
433457		SUSP CONCRETE	X			FITRON 103 101429Z OCT 80	
433863		BIRD STRIKE	X			" 171 101600Z OCT 80	
433147		UNK		X		" 102 112202Z OCT 80	
433410		INTAKE SCREEN PIN	X			VMFA 112 141900Z OCT 80	
433983		UNK	X			" 312 282115Z OCT 80	

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TF30-P414
JUN 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	SHORE	REF	JCN
687238	MAJ	UNK		X		FITRON 24 282215Z JUN 79	
695547	MAJ	UNK			X	KITTY HAWK 291253Z JUN 79	
679282	MAJ	SMALL METAL OBJ		X		FITRON 211 251920Z JUN 79	
687285	MAJ	CALFAX BARREL		X		" " 261645Z JUN 79	
679540	MAJ	LRG METAL OBJ		X		" " 131600Z JUN 79	
695098	MAJ	SUSP SMALL STONE		X		" 2 082158Z JUN 79	
679407	MIN	SMALL METAL OBJ		X		" 211 212330Z JUN 79	
695563	MAJ	UNK		X		MIRAMAR 121642Z JUL 79	PE2-9158686
695512	MAJ	UNK		X		" " "	
679504		METAL OBJ		X		* 790718 5 15570	PE2-9164401
695135		UNK			X	AMERICA 010439Z JUL 79	
679342		UNK			X	" " "	
687026		UNK	BCM-1		X	EISENHOWER 030854Z JUL 79	
687063		UNK			X	FITRON 14 281855Z JUN 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

TF30-P414
JUL 1979

S/N	CAT	CAUSE	DISP	SHIP	TEST CELL	REF	JCN
695576	MAJ	IFR BASKET BLADES		X		FITRON 124 061513Z AUG 79	
679454	MAJ	UNK				" 24 272324Z JUL 79	
674659	MAJ	PIECES OF GUN ASSY		X		" 211 241818Z JUL 79	
687135	MAJ	CALFAX FASTENER		X		" 124 181556Z JUL 79	
695041	MAJ	FASTENER	REP	X		" 24 251610Z JUL 79	
695149	MAJ	CALFAX FASTENER		X		" 192130Z JUL 79	
687109	MIN	UNK		X		" 192125Z JUL 79	
687031	MAJ	UNK		X		" 172116Z JUL 79	
687060	MAJ	SUSP INT MAT FAIL		X		" 211 131927Z JUL 79	
679340	MAJ	UNK		X		" 1 122305Z JUL 79	
679348	MAJ	UNK		X		" 24 102231Z JUL 79	
687000	MAJ	UNK	BCM	X		MIRAMAR 091439Z AUG 79	
687012	MAJ	METAL OBJ	REP	X		" " "	
687238	MAJ	METAL OBJ	BCM	X		" " "	
695027		20mm SHELL CASING	BCM		X	FITRON 114 061537Z JUL 79	
679266		UNK	RFI	X		OCEANA 102040Z JUL 79	
679263		CALFAX BARREL		X		FITRON 32 311731Z JUL 79	
695547	MAJ	UNK		X		KITTY HAWK 090250Z JUL 79	

TF30-P414
AUG 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
695538	MAJ	SMALL HARD OBJ	BCM		X		KITTY HAWK 020904Z AUG 79	
679506	MIN	UNK		X			FITRON 211 201613Z AUG 79	
695563	MAJ	TWO METAL OBJ'S		X			" 124 171825Z AUG 79	
679496	MAJ	UNK		X			PT MUGU 142246Z AUG 79	
679259	MAJ	SUSP ICE	CER	X			MIRAMAR 072012Z SEP 79	
695576	MAJ	IFR DROUGE BLADE	CER	X			" " "	
695443	MAJ	UNK	BCM	X			" " "	
679445		LARGE METAL OBJ			X		FITRON 213 051859Z AUG 79	
687150		SUSP METAL OBJ		X			" 32 081611Z AUG 79	
687230		INT MAT FAIL		X			NIMITZ 091352Z AUG 79	
679338		SUSP RIVET		X			FITRON 14 141600Z AUG 79	
687120		SUSP SAFETY WIRE			X		NIMITZ 141748Z AUG 79	
679379		SUSP CALFAX		X			FITRON 142 231630Z AUG 79	
695438		MTL OBJECT		X			" " 231230Z AUG 79	
687278		FLotation VEST & TOOL POUCH			X		NIMITZ 281647Z AUG 79	AE2-923523

TF30-P414
SEP 1979

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	TEST CELL	REF	JCN
695186	MAJ	UNK		X		NIMITZ 0422122Z OCT 79	
679301	MAJ	UNK	X			FITRON 124 131920Z SEP 79	
695082	MAJ	SUSP HI-TORQUE FASTENER	X			" 211 261445Z SEP 79	
687034	MAJ	UNK	X			PT MUGU 212032Z SEP 79	
679420	MAJ	R/W DEBRIS	X			FITRON 124 121633Z SEP 79	
687157	MIN	UNK		X		" 211 102315Z SEP 79	
695020	MIN	RIVET	X			" " 091610Z SEP 79	
695414		UNK		X		* 790927 3 0201	
687043		SUSP CALFAX				VF-101 FOD REPORT	
687169	MAJ	UNK	REP	X		MIRAMAR 102344Z OCT 79	

* UNSATISFACTORY REPORT FILE, RECORD IDENT

TF30-P414
OCT 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
687292	MAJ	UNK		X			FITRON 24 091500Z OCT 79	
695493	MAJ	UNK		X			" 2 111955Z OCT 79	
679477	MAJ	SUSP CALFAX FASTENER	REP	X			" 24 222345Z OCT 79	
687284	MAJ	UNK			X		CONSTELLATION 242117Z OCT 79	
695417	MIN	UNK			X		" 272253Z OCT 79	
679432	MAJ	SUSP METAL OBJ	REP	X			FITRON 213 312101Z OCT 79	
687215	MAJ	SUSP SMALL METAL OBJ		X			" 010400Z NOV 79	
679327	MAJ	RAG		X			PT MUGU 052254Z OCT 79	
687198		UNK		X			FITRON 14 121525Z OCT 79	
695431		UNK			X		NIMITZ 170729Z OCT 79	
687010		UNK				X	OCEANA 232222Z OCT 79	
679258		SUSP SCREW/CALFAX		X			FITRON 101 221926Z OCT 79	
687255		SUSP INT FAIL			X		NIMITZ 251110Z OCT 79	

TF30-P414
NOV/DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
687286	MAJ	FASTENER		X			FITRON 24 262000Z NOV 79	
687144	MIN	UNK		X			FITRON 114 152331Z NOV 79	
679395		UNK			X		NIMITZ 181754Z NOV 79	
695450		SUSP SCREW		X			VF-101 REPORT NORVA	
687169	MAJ	SUSP FASTENER		X			FITRON 124 021641Z NOV 79	
695046	MAJ	STEEL STRIPPING SHOT			X		CUBI PT 092347Z DEC 79	
679343	MAJ	UNK			X		CONSTELLATION 052126Z DEC 79	
679527	MAJ	FLASHLIGHT	REP	X			FITRON 124 262257Z DEC 79	
679319	MIN	SUSP FASTENER		X			" 211 201500Z DEC 79	
695546	MAJ	UNK	BCM		X		KITTY HAWK 160450Z DEC 79	
67936		SUSP HI-TORQUE SCREW		X			FITRON 101 051830Z DEC 79	
687029		HARD METAL OBJ	RFI	X			" 142 101453Z DEC 79	
695413	MAJ	UNK	BCM		X		KITTY HAWK 021431Z JAN 80	

TF30-P414
JAN 1980

S/N	CAT	CAUSE	DISP	TEST CELL		REF	JCN
				SHORE	SHIP		
695098	MAJ	INLET DIFFUSER RAMP		X		FITRON 1 250057Z JAN 80	
695545	MAJ	INT MAT FAILURE	BCM		X	KITTY HAWK 020653Z FEB 80	
687038	MAJ	CALFAX			X	NIMITZ 260820Z JAN 80	
695038	MAJ	NON-SKID	BCM	X		FITRON 114 172001Z JAN 80	
679430		SUSP METAL OBJ			X	FITRON 142 241724Z JAN 80	
679555		SUSP SCREW/BOLT	BCM-7		X	" " 252240Z JAN 80	AG7-002264
695478	MAJ	INT MAT FAIL	BCM		X	NIMITZ 041445Z FEB 80	
687235	MAJ	NON-SKID	BCM		X	" " "	
679356	MAJ	NON-SKID	BCM		X	" " "	
695557	MAJ	UNK	BCM		X	KITTY HAWK 121150Z FEB 80	
687085	MAJ	GUN COWLING FASTENER	RF1		X	CONSTELLATION 042132Z FEB 80	
687185	MAJ	INT MAT FAIL	BCM		X	" " "	

TF30-P414
FEB 1980

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	SHIP	TEST CELL		
695593	MAJ	SUSP 10/32" BOLT/SCREW	REP	X			FITRON 124 112145Z FEB 80	
687134	MAJ	SUSP BOLT		X			" 211 152147Z FEB 80	
695185	MAJ	UNK	BCM	X			" 214 152104Z FEB 80	
695163	MIN	SUSP BRITTLE OBJ, NON-SKID	BCM		X		NIMITZ 190418Z FEB 80	
679475	MAJ	UNK			X		FITRON 2 042200Z FEB 80	
687130	MAJ	UNK		X			PT MUGU 080013Z MAR 80	
687024	MAJ	SUSP R/W CEMENT		X			FITRON 114 271801 FEB 80	
695566	MAJ	SUSP SCREW OR CALFAX	REP	X			" 1 242335Z FEB 80	
687096	MAJ	SUSP FASTENER		X			" 213 111700Z FEB 80	
679467	MAJ	SUSP METAL OBJ	BCM	X			" " 052200Z FEB 80	
679366	MIN	SUSP SMALL STONE		X			" 211 080446Z FEB 80	
687285	MIN	" " "		X			" " 080449Z FEB 80	
687275	MAJ	INT MAT FAIL	BCM	X			24 221317Z FEB 80	PK6-005229
679420	MAJ	HI-TORQUE SCREW	REP	X			" " 072115Z FEB 80	PK6-003854
695575	MAJ	NUT OR BOLT	REP		X		NIMITZ 190601Z FEB 80	
679503		UNK	BCM	X			FITRON 143 062005Z FEB 80	
679416		SUSP CALFAX		X			" 101 221923Z FEB 80	
679436		SUSP SCREW			X		" 143 281955Z FEB 80	
695405		SUSP RIVET			X		" " 281956Z FEB 80	

TF30-P414
MAR 1980

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
679316	MAJ	UNK		X		FITRON 2 071631Z APR 80	
687045	MAJ	STEEL OBJ	RFI		X	" 24 311328Z MAR 80	
695033	MIN	UNK			X	" " 152145Z MAR 80	
679374	MAJ	5/16" BOLT			X	" " 230147Z MAR 80	
695075	MAJ	INT MAT FAIL	RFI		X	" " 152143Z MAR 80	
687051	MAJ	SUSP METAL OBJ			X	" " 130146Z MAR 80	
695512	MAJ	UNK			X	" " 131622Z MAR 80	
687085	MAJ	SUSP FASTENER			X	FITRON 211 292026Z MAR 80	
695189	MAJ	METAL OBJ			X	NIMITZ 250527Z MAR 80	
687170	MAJ	LARGE BOLT			X	" 120448Z MAR 80	
701183	MAJ	SUSP HAIL/ICE	REP	X		FITRON 124 271758Z MAR 80	
687159	MAJ	10/32" HEXHEAD BOLT			X	" " 261855Z MAR 80	
679387	MAJ	UNK			X	" " " "	
695068		UNK			X	" 143 062210Z MAR 80	
679308		SMALL METAL OBJ	REP		X	" 142 202338Z MAR 80	
679514		METAL OBJ	BCM		X	" " 121503Z MAR 80	
695022		METAL OBJ			X	FITRON 101 201145Z MAR 80	
679529		UNK		X		* 800326 3 0301	WC5

* UNSATISFACTORY REPORT FILE, RECORD IDENT

TF30-P414
APR 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
695003		UNK		X			FITRON 143 082101Z APR 80	
695502	MIN	10/38 SCREW	BCM		X		NIMITZ 281452Z APR 80	
687078	MAJ	UNK METAL OBJ	BCM		X		" 040454Z MAY 80	
679399	MAJ	10/32 SCREW	BCM		X		" "	
679536	MIN	UNK		X			FITRON 2 072300Z APR 80	
679439	MAJ	SCREW	BCM		X		RANGER 161611Z APR 80	
695011	MAJ	ROCKS	REP	X			SAN DIEGO 131704Z MAY 80	
695082	MIN	UNK		X			FITRON 124 212134Z APR 80	
695573	MAJ	FASTENER	REP	X			" " 271445Z APR 80	
687077	MAJ	SUSP BOLT			X		" 211 071243Z MAY 80	
701204	MIN	UNK		X			" 213 142000Z APR 80	
695182	MAJ	SUSP ROCK	REP	X			" " 211605Z APR 80	
701204	MIN	SUSP METAL OBJ	REP	X			" " 241605Z APR 80	
695553	MAJ	UNK	HSL	X			SAN DIEGO 131702Z MAY 80	
695113	MIN	UNK		X			" "	

TF30-P414
MAY 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
695554	MIN	UNK	HS1	X			MIRAMAR 092031Z MAY 80	
695009	MAJ	FASTENER	BCM		X		RANGER 020605Z MAY 80	
695175	MAJ	SUSP SCREW		X			FITRON 2 091700Z MAY 80	
687027	MAJ	NOSE WHEEL DOWNLOCK PIN		X			AIRTEVRON 4 160039Z MAY 80	
679556	MAJ	SUSP 5/16 BOLT	BCM		X		FITRON 24 280935Z MAY 80	
679355	MAJ	SUSP SMALL BOLT	BCM		X		" 190438Z MAY 80	
687170	MAJ	SMALL METAL OBJ			X		NIMITZ 070925Z MAY 80	
664230	MAJ	UNK		X			ATKRON 122 231903Z MAY 80	
687141	MAJ	INT MAT FAIL	BCM-7		X		FITRON 142 170559Z MAY 80	
679391	MAJ	SUSP SCREW/LITE ASSY FROM/FR	BCM-7		X		" 143 300032Z MAY 80	
687243	MAJ	SUSP CALFAX	REP		X		" 280808Z MAY 80	
695453	MIN	SUSP SAFETY WIRE			X		" 211850Z MAY 80	
674658	MAJ	UNK	BCM-7		X		" 110736Z MAY 80	
687063	MAJ	SUSP FASTENER	BCM		X		" 211 101919Z MAY 80	
701172	MIN	SUSP NON-SKID	BCM		X		" 181543Z MAY 80	

TF30-P414
JUN 1980
JCN

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
679350	MAJ	FASTENER	BCM-7	X		EISENHOWER 060502Z JUN 80	
687109	MAJ	UNK	REP	X		MIRAMAR 100030Z JUN 80	
695175	MAJ	UNK	REP	X		" "	
679417	MAJ	BOLT	CER	X		PITRON 1 241530Z JUN 80	
687292	MAJ	1/4 x 32 BOLT		X		" 24 011422Z JUL 80	
679347	MAJ	5/16 BOLT	BCM	X		" " 261856Z JUN 80	
687077	MAJ	1/4 x 28 BOLT	BCM	X		" " 161602Z JUN 80	
687070	MAJ	CALFAX	REP	X		" 124 191525Z JUN 80	
695568	MAJ	SUSP GRAVEL	HS1	X		" " 042230Z JUN 80	
679338	MIN	UNK		X		" 142 210912Z JUN 80	
687298	MIN	UNK		X		" " 252002Z JUN 80	
679484	MIN	UNK		X		" " 120501Z JUN 80	
687064	MIN	UNK		X		" " 120507Z JUN 80	
679551	MAJ	SCREW	BCM	X		" " 111039Z JUN 80	
679379	MIN	SUSP TIRE RUBBER		X		" " 140445Z JUN 80	
687110	MIN	UNK		X		" " 072131Z JUN 80	
679338	MAJ	SCREW OR BOLT	BCM	X		" " 081120Z JUN 80	
67351	MIN	UNK		X		" " 081124Z JUN 80	
679504	MAJ	MAIN LANDING GEAR DOWNLOCK PIN	BCM	X		X 143 290457Z JUN 80	
679022	MIN	UNK		X		" " 211111Z JUN 80	
687170		10/38 SCREW	BCM	X		NIMITZ 031930Z JUN 80	

TF30-P414
JUN 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
695193		UNK	BCM	X			OCEANA 032044Z JUN 80	
687141		INT MAT FAIL	BCM-7		X		EISENHOWER 060502Z JUN 80	
674658		SUSP FASTENER	BCM-7		X		" "	
679263		SUSP SCREW		X			FITRON 41 262146Z JUN 80	
695166		UNK	BCM		X		EISENHOWER 031818Z APR 80	

TF30-P414
JUL 1980

TEST CELL
SHIP
SHORE

S/N	CAT	CAUSE	DISP	SHIP	SHORE	REF	JCN
679376	MAJ	SUSP NON-SKID	BCM	X		FITRON 211 051408Z JUL 80	
695442	MAJ	SUSP 1/4" BOLT	RFI	X		" " 051337Z JUL 80	
687298	MIN	UNK		X		142 031350Z JUL 80	
679320	MAJ	UNK	BCM	X		" 143 091218Z JUL 80	
687484	MIN	SUSP CALFAX	REP	X		142 0811072Z JUL 80	
695402	MIN	UNK		X		" " 160209Z JUL 80	
687150	MIN	UNK		X		143 170549Z JUL 80	
687105	MAJ	ICS HEADSET ASSY	BCM	X		" 211 161250Z JUL 80	
679434	MAJ	UNK	BCM	X		RANGER 140734Z JUL 80	
687103	MAJ	NUT OR BOLT	REP	X		FITRON 2 142200Z JUL 80	
687020	MIN	UNK		X		" 142 021312Z AUG 80	
695402	MIN	UNK		X		" " 010537Z AUG 80	
679417	MAJ	UNK		X		" 1 230450Z JUL 80	
695019	MIN	UNK		X		142 261721Z JUL 80	
687123	MIN	UNK		X		" " 280528Z JUL 80	
687127	MAJ	UNK		X		" 124 292130Z JUL 80	
674659	MAJ	UNK	REP	X		" 142 301418Z JUL 80	
679542	MAJ	NUT & BOLT	BCM			MIRAMAR 08007Z AUG 80	
701169		GUN SAFETY PIN		X		FITRON 14 222037Z JUL 80	
679259		STEEL NUT			X	" 41 312301Z JUL 80	

TF30-P414
AUG 1980

S/N	CAT	CAUSE	DISP	SHIP		REF	JCN
				SHORE	TEST CELL		
687268	MAJ	PANEL SCREW				FITRON 124 091908Z SEP 80	
679487	MAJ	UNK				RANGER 111127Z AUG 80	
679555	MAJ	UNK				FITRON 2 022101Z SEP 80	
695187	MIN	SUSP FASTENER				" " 022100Z SEP 80	
687094	MAJ	INNER WHEEL BEARING	BCM			FITRON 24 150822Z AUG 80	
687046	MAJ	LANDING GEAR SAFETY LOCK				" 51 231501Z AUG 80	
695084	MIN	SUSP FASTENER				" 111 021843Z SEP 80	
679322	MAJ	A/A GUNNERY TGT BANNER	BCM			" " 192215Z AUG 80	
695188	MIN	HSD FILTER				" " 271733Z AUG 80	
695029	MIN	UNK				" 142 050502Z AUG 80	
687086	MIN	UNK				" " 091117Z AUG 80	
695402	MAJ	F/D DEBRIS	BCM			EISENHOWER 180434Z AUG 80	
695029	MIN	" "				FITRON 142 212028Z AUG 80	
687020	MIN	NOSE TIRE RUBBER				" " 212037Z AUG 80	
687064	MIN	METAL OBJ	BCM			" " 212032Z AUG 80	
679484	MIN	UNK				" " 030855Z SEP 80	
687121	MAJ	UNK	BCM			EISENHOWER 301022Z AUG 80	
679380	MIN	UNK				FITRON 143 100448Z AUG 80	
695186	MAJ	PIECE DIFFUSER RAMP SEAL	BCM			" 211 132125Z AUG 80	
701227		UNK				" 101 111700Z AUG 80	
701159		UNK	BCM-7			" 14 141506Z AUG 80	

TF30-P414
AUG 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
679342		SUS CALFAX MAT FAIL		X			FITRON 101 151300Z AUG 80	PDI-
679322		TOW CABLE BANNER		X			SAN DIEGO 281517Z AUG 80	

TF30-P414
SEP 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
695489	MAJ	UNK		X			FITRON 124 082041Z OCT 80	
695491	MAJ	UNK		X			" 1 061452Z SEP 80	
679296	MAJ	UNK			X		RANGER 090555Z OCT 80	
679420	MAJ	CAP & METAL RIM SUNGLASSES		X	X		FITRON 24 300615Z SEP 80	
701283	MAJ	UNK		X			" 51 231901Z SEP 80	
701270	MAJ	SUSP GRAVEL		X			" 114 181131Z SEP 80	
687111	MAJ	FASTENERS		X			" " 061401Z OCT 80	
674657	MAJ	SUSP INT MAT FAIL		X			" 124 181535Z SEP 80	
679456	MAJ	SOFT OBJ		X			" " 291525Z SEP 80	
695046	MIN	PIECES OF MISSILE NOSE GEAR ASSY			X		" 142 220229Z SEP 80	
695564	MIN	NON-SKID			X		291602Z SEP 80	
687028	MIN	UNK			X		011634Z OCT 80	
687086	MAJ	UNK	BCM		X		EISENHOWER 161120Z SEP 80	
695019	MAJ	GUN SAFETY PIN	BCM		X		FITRON 142 131909Z SEP 80	
687119	MIN	NON-SKID			X		" " 081801Z SEP 80	
687028	MIN	NON-SKID			X		" " 081758Z SEP 80	
679484	MIN	NON-SKID			X		" " 081805Z SEP 80	
679315	MIN	UNK			X		" 143 011115Z OCT 80	
679447	MIN	UNK			X		" " 010831Z OCT 80	
679340	MIN	SUSP SAFETY WIRE			X		" " 160522Z SEP 80	
687144	MIN	UNK			X		" " 070757Z SEP 80	

TF30-P414
SEP 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
695003	MAJ	IFR PROBE DOOR	BCM		X		FITRON 143 110429Z SEP 80	
679281	MAJ	SUSP FASTENER		X			" 213 261545Z SEP 80	
687057		SUSP CALFAX		X			101 081845Z SEP 80	
687120		UNK			X		NIMITZ 101711Z SEP 80	
697443		UNK			X		" 102148Z SEP 80	
679434	MIN	UNK			X		FITRON 142 220233Z SEP 80	
679418		NOSE GEAR DOWN LOCK PIN			X		NIMITZ 232138Z SEP 80	

TF30-P414
OCT 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
687086	MAJ	UNK	BCM	X			EISENHOWER 040603Z OCT 80	
687020	MIN	UNK		X			FITRON 142 061129Z OCT 80	
695404		SUSP GUN PANEL CALFAX		X			OCEANA 061807Z OCT 80	
679422	MAJ	UNK					FITRON 143 080558Z OCT 80	
695419		BROKEN PANEL CORNER		X			" 101 101430Z OCT 80	
679379	MIN	CALFAX	BCM				" 142 111120Z OCT 80	
695405	MIN	UNK					" " 161012Z OCT 80	
695556	MAJ	SUSP CALFAX	BCM			X	" 143 161554Z OCT 80	
687112	MAJ	SUSP COCKPIT SAFETY PIN & FLAG		X			AIRTEVRON 4 250100Z OCT 80	

TF30-P414
NOV 1980

JCN

TEST CELL
SHIP
SHORE

REF

DISP

CAUSE

CAT

S/N

EISENHOWER 101318Z NOV 80
FITRON 143 120636Z NOV 80
" 142 151855Z NOV 80
" " 151856Z NOV 80
" 143 181631Z NOV 80

X X X X X

UNK
PANEL SCREW
UNK
UNK
UNK

MAJ
MAJ
MIN
MIN
MAJ

687020
679400
679484
679328
687144

TF30-P414
DEC 1980

TF30-P414
DEC 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
687255	MIN	UNK			X		FITRON 142 021100Z DEC 80	
679461		SUSP METAL OBJ			X		32 092027Z DEC 80	
701213		SUSP ICE			X		" 101233Z DEC 80	AB2-
687141		UNK	BCM7		X		AMERICA 131322Z DEC 80	
701213	MAJ	SUSP ICE			X		KENNEDY 192147Z DEC 80	

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
664201		UNK		X		ATKRON 174 132010Z NOV 79	
671482		UNK		X		" 205 172006Z NOV 79	
671482		UNK		X		" " 232000Z JAN 80	
664188		UNK		X		" " 032030Z FEB 80	
671490	MAJ	INT MAT FAIL		X		" 122 271700Z FEB 80	
664330	MAJ	INT MAT FAIL		X		" " 271830Z MAR 80	
664228	MAJ	INT MAT FAIL		X		" " 061730Z MAY 80	
664230	MAJ	GRAVEL	BCM-1	X		LEMOORE 111521Z JUN 80	
671484		NUTS	BCM-1	X		* 800110 3 0501	
664443		UNK		X		* 800205 3 0301	
664255	MAJ	BIRD		X		* 800207 3 0101	
671486		BIRD		X		* 801004 3 0301	
664286		UNK		X		** 791012 5 21370	
664333		UNK		X		** 791120 5 23000	
671496		SUSP RIVET		X		** 800425 5 16070	
664357		RUBBER		X		** 800912 5 14450	

* FLIGHT MISHAP REPORT FILE, RECORD IDENT

** UNSATISFACTORY REPORT FILE, RECORD IDENT

TF34GE-400
JUN-DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL		JCN
				SHORE	SHIP	
202001	MIN	UNK	REP	X		AIRANTISUBRON 41 071646Z JUN 79
202033		UNK		X		NIMITZ 202105Z AUG 79
202051		UNK		X		" 252248Z AUG 79
202093	MAJ	METAL OBJ	AWP	X		CUBI PT 110147Z SEP 79
202330	MAJ	METAL OBJ	BCM	X		CUBI PT 220157Z OCT 79
202278		UNK	X			AIRANTISUBRON 31 182001Z OCT 79
202183		UNK	X			" 32 191905Z OCT 79
202174		INT MAT FAIL	X			" 192101Z OCT 79
202321		INT MAT FAIL		X		NIMITZ 091830Z NOV 79
202011	MIN	UNK	X			AIRANTISUBRON 41 101708Z DEC 79
202316	MIN	UNK	X			AIRANTISUBRON 41 121834Z DEC 79
202219		UNK		X		NIMITZ 270830Z DEC 79

TF34GE-400
JAN-JUN 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
202338	MAJ	INT MAT FAIL		X			AIRANTISUBRON 29 170030Z JAN80	
202153	MIN	CRANIAL HELMET		X			" 33 291905Z JAN80	PQ1-0025157
202138	MAJ	BIRDSTRIKE		X			" 21 310130Z JAN80	
202024		INTAKE SCREEN LATCH		X			AIRANTISUBRON 31 082000Z FEB80	
201110		UNK	BCM	X			" 32 271815Z FEB80	
202406		UNK	BCM		X		AIRANTISUBRON 31 020332Z MAR80	
202411	MIN	CAM LOCK FASTENER		X			" 33 122312Z MAR80	PQ1-007226
201103	MIN	UNK		X			" 41 111925Z MAR80	
202089		SUSP RIVET HEAD		X			* 800425 5 11230	
202187		SUSP INT MAT FAIL	BCM	X			AIRANTISUBRON 32 041827Z MAY80	
202416	MAJ	UNK	BCM		X		RANGER 052327Z JUN 80	
202308	MAJ	UNK	AWP	X			SAN DIEGO 181449Z JUL 80	
202416	MAJ	UNK	BCM		X		" " "	

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TF34GE-400
JUL-SEP 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
202044	MIN	INTAKE SCREEN PARTICLE	BCM	X			AIRANTISUBRON 21 021744Z JUL80	
202242	MAJ	SUSP NON-SKID	BCM		X		" 38 071826Z JUL80	
?	MAJ	CLOTH RAG			X		" 250847Z JUL80	
202245	MAJ	SUSP SMALL ROCK	I/W	X			" 21 242220Z JUL80	
202230		UNK		X			" 30 282120Z JUL80	
202181		INT MAT FAIL		X			" 24 251645Z JUL80	
202104		INT MAT FAIL		X			" " " "	
202155		UNK	BCM-7		X		AIRANTISUBRON 32 191835Z AUG80	
202021		UNK	BCM-7		X		" " 201657Z AUG80	
202403	MAJ	HOLDBACK FITTING			X		RANGER 092033Z AUG 80	
202435		RADOME LATCH FASTENER		X			AIRANTISUBRON 33 292040Z SEP80	
202395					X		RANGER 221053Z SEP 80	
201104					X		RANGER 170715Z SEP 80	
202238		UNK			X		AIRANTISUBRON 32 271948Z SEP80	
201114		UNK	BCM 7		X		" " 271954Z SEP80	
202064		UNK			X		* 800926 5 19050	AN3-0258198
202270		INT MAT FAIL			X		* 800927 5 03015	

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TF34GE-400
OCT-DEC 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
202204		UNK		X			AIRANTISUBRON 32 061815Z OCT80	
202059		SUSP SCREW		X			" 30 102045Z OCT80	
202009		UNK	BCM 7		X		KENNEDY 021415Z NOV 80	
202123		UNK	BCM 7		X		" " "	
202158		INT MAT FAIL	BCM 7		X		" " "	
202433		SUSP INT MAT FAIL		X			AIRANTISUBRON 22 131355Z NOV80	
202191		INT MAT FAIL			X		AIRANTISUBRON 30 092101Z DEC80	

J52-P-6B
JUN-DEC 1979

S/N	CAT	CAUSE	DISP	SHIP			REF	JCN
				SHORE	SHIP	TEST CELL		
650120		GREASE RAG		X			* 790620 4 0401	SCO-917108
649895		UNK		X			* 790719 3 0501	SUO-920006
650019		UNK		X			** 790813 5 17030	TAE-9218856
650008		UNK			X		** 790824 5 18160	TB2-9191447
636697	MAJ	SMALL HARD OBJ		X			ATKRON 127 161429Z AUG 79	
650004	MIN	SOFT MATERIAL		X			" " 151729Z AUG 79	
650447		INT MAT FAIL		X			FLECOMPRON 2 181902Z OCT 79	
636407		UNK		X			HAMS 31 261941Z OCT 79	
649710		CONCRETE		X			** 791114 5 17450	AC6-9311411
650104		PARACHUTE SHIPPING STREAMER		X			* 791213 4 0201	WC6-
649811		O ₂ MASK PROTECTIVE BAG		X			* 791226 3 0401	TB1-936004

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J52-P-6B
JAN-JUN 1980

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
650524		SCREWDRIVER		X		* 800109 3 0801	SUO-000934
636546	MAJ	SAFETY WIRE		X		CHINA LAKE 112331Z JAN 80	
650347	MIN	UNK		X		** 800214 5 23000	KH2-0043751
649919		UNK		X		** 800220 5 14390	TB5-0041951
650377		STONE/CONCRETE		X		** 800307 5 20500	P14-0064128
636183		UNK		X		* 800302 3 0201	KH2-006206
650449	MAJ	SUSP GRAVEL		X		AIRTEVRON 5 100104Z APR 80	
650457	MIN	SAFETY WIRE		X		FLECOMPRON 7 232015Z APR 80	
649925		INTAKE SKREEN		X		* 800530 4 0501	SJO-015171

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J52-P-6B
JUL-DEC 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
650170		SAFETY WIRE		X			** 800729 5 15390	PE6-0203030
650454		UNK		X			FLECOMPRON 2 161244Z JUL 80	
650140		BIRD		X			ATKRON 45 042154Z AUG 80	TAB-023208
649861	MAJ	UNK		X			ATKRON 127 042239Z SEP 80	
650204	CANOPI	ACCESS DOOR LATCH		X			HAMS 31 161330Z OCT 80	
650268		UNK		X			TACELRON 33 301616Z OCT 80	
650385		NEEDLE NOSE PLIERS		X			MAG 42 121630Z DEC 80	

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J52-P-8A/B
JUN-JUL 1979

S/N	CAT	CAUSE	DISP	TEST CELL			JCN
				SHORE	SHIP	REF	
650558	MAJ	METAL OBJ		X		SAN DIEGO 010106Z JUN 79	
636050		CAMERA (PERSONAL)	BCM	X		TACELRON 33 191305Z JUL 79	
678322	MAJ	BIRD		X		VMA 311 181837Z JUL 79	

J52-P-8 A/B
AUG-DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
650595	MAJ	UNK		X			HAMS 24 280219Z AUG 79	
661203	MIN	UNK		X			FLECOMPRON 7 162055Z AUG 79	
661306	MAJ	INT MAT FAIL		X			HAMS 12 270220Z SEP 79	
650600	MAJ	INTAKE SKREEN		X			FLECOMPRON 5 010800Z OCT 79	
650544		SCHRADER VALVE		X			FITRON 171 091805Z OCT 79	
660822		INTAKE SCREEN		X			* 791103 4 1001	SU0929736
660846		INT MAT FAIL		X			FLECOMPRON 2 161700Z NOV 79	
661090	MAJ	UNK		X			** 791210 5 15310	PE6-9339080

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J52-P-8A/B
JAN-JUN 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	CELL		
677460		UNK		X			* 800116 3 1001	ALL-001614
660704		UNK		X			** 800113 5 12530	SFO-0004A00
661590	MAJ	UNK		X			VMAT 102 221610Z FEB 80	
677255		UNK		X			** 800427 5 20350	STO-0115567
660895	MIN	UNK		X			FLECOMPRON 7 211636Z APR 80	
677311	MIN	DEBRIS		X			HAM 13 292229Z APR 80	
677399		BIRD		X			FITRON 43 022048Z APR 80	
661389		FASTENER		X			HAMS 32 101747Z APR 80	
661183	MAJ	UNK		X			HAMS 13 051705Z MAY 80	
677549		IFR PROBE COVER		X			FLECOMPRON 2 091442Z JUN 80	
677399		EXT CANOPY HANDLE ASSY		X			FITRON 43 291902Z JUN 80	

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** UNSATISFACTORY REPORT, RECORD IDENT

J52-P-8A/B
JUL-DEC 1980

S/N	CAT	CAUSE	DISP	SHORE	SHIP	TEST CELL	REF	JCN
661076	UNK			X			** 800701 5 21145	WA5-0170445
661218	MAJ	UNK		X			HAMS 13 192341Z SEP 80	
650577	UNK			X			FITRON 171 241348Z NOV 80	

** UNSATISFACTORY REPORT FILE, RECORD IDENT

J52-P-408
JUN-DEC 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
678550		METAL OBJ		X			* 790713 3 0301	GE3-919440
678390		SUSP DEBRIS		X			* 790823 3 0401	SLO-923550
678182		UNK		X			FITRON 43 021830Z AUG 79	
678591	MAJ	UNK		X			VMA 311 221958Z OCT 79	
678395		UNK DEBRIS		X			** 791113 5 17530	FFF-9274514
678281		UNK		X			** 791123 5 00090	FFF-9318217
678173	MAJ	UNK		X			VMA 211 130745Z NOV 79	
678167	MIN	CENTERLINE BREACH CAP		X			VMAT 102 081705Z NOV 79	
678465	MAJ	UNK		X			VMA 211 040432Z DEC 79	

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J52-P-408
JAN-DEC 1980

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP	TEST CELL		
678299	UNK			X			* 800220 3 0201	GE3-005191
678496	MAJ	TURN-UP SCREEN		X			VMA 102 201640Z FEB 80	
678520	MAJ	SAFETY WIRE		X			VMA 311 270016Z FEB 80	
678422		SUSP SMALL STONE		X			** 800605 5 23540	SLO-0136137
678400	MAJ	MATERIAL FROM CSD DOOR		X			AIRTEVRON 150011Z JUL 80	
678258	MIN	UNK		X			VMA 311 071745Z AUG 80	
678381	MAJ	UNK		X			VMA 311 222357Z SEP 80	
678170	BIRD	BIRD		X			* 800921 3 0201	TAB-026594
678347	BIRD	BIRD		X			* 801018 3 0101	GB6-

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TF41A-2A/B
JUN 1979

S/N	CAT	CAUSE	DISP	TEST CELL			REF	JCN
				SHORE	SHIP			
141280	MAJ	SUSP SCREW		X			ATKRON 97 230040Z JUN 79	PF6-917118
141883	MAJ	UNK	BCM	X			LEMOORE 052310Z JUL 79	
141323	MAJ	SUSP SAFETY WIRE	REP	X			" "	
142592	MAJ	UNK	BCM	X			" "	
141625	MAJ	SUSP MTL OBJ	BCM	X			" "	
141895	MAJ	UNK	BCM				CUBI PT 110507Z JUN 79	
141548	MAJ	TOOL	BCM		X		MIDWAY 090730Z JUN 79	
141287	MAJ	UNK	BCM				LEMOORE 062254Z JUN 79	
141912	MAJ	UNK	BCM		X		" "	
141568	MAJ	INT MAT FAIL	BCM		X		RANGER 130357Z JUL 79	
141957	MAJ	SUSP ROCKS					CUBI PT 200600Z JUN 79	
141276	MAJ	"					" "	
141369	MAJ	"					" "	
142568	MIN	"					" "	
141360	MAJ	"					" "	
141928	MAJ	"					" "	

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